

[illegible]







# BARNARD

The Undergraduate College of Liberal Arts for Women of Columbia University

## 1980-81 CATALOGUE



Barnard College  
606 West 120th Street  
New York, N.Y. 10027

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Barnard Admissions Office:

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(212) 280-2014

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| 1980      |    |    |    |    |    |    |          |    |    |    |    |    |    |          |    |    |    |    |    |    |          |    |    |    |    |    |    |   |
|-----------|----|----|----|----|----|----|----------|----|----|----|----|----|----|----------|----|----|----|----|----|----|----------|----|----|----|----|----|----|---|
| JANUARY   |    |    |    |    |    |    | FEBRUARY |    |    |    |    |    |    | MARCH    |    |    |    |    |    |    | APRIL    |    |    |    |    |    |    |   |
| S         | M  | T  | W  | T  | F  | S  | S        | M  | T  | W  | T  | F  | S  | S        | M  | T  | W  | T  | F  | S  | S        | M  | T  | W  | T  | F  | S  |   |
|           |    | 1  | 2  | 3  | 4  | 5  |          |    |    |    |    | 1  | 2  |          |    |    |    |    |    | 1  |          |    | 1  | 2  | 3  | 4  | 5  |   |
| 6         | 7  | 8  | 9  | 10 | 11 | 12 | 3        | 4  | 5  | 6  | 7  | 8  | 9  | 2        | 3  | 4  | 5  | 6  | 7  | 8  | 6        | 7  | 8  | 9  | 10 | 11 | 12 |   |
| 13        | 14 | 15 | 16 | 17 | 18 | 19 | 10       | 11 | 12 | 13 | 14 | 15 | 16 | 9        | 10 | 11 | 12 | 13 | 14 | 15 | 13       | 14 | 15 | 16 | 17 | 18 | 19 |   |
| 20        | 21 | 22 | 23 | 24 | 25 | 26 | 17       | 18 | 19 | 20 | 21 | 22 | 23 | 16       | 17 | 18 | 19 | 20 | 21 | 22 | 20       | 21 | 22 | 23 | 24 | 25 | 26 |   |
| 27        | 28 | 29 | 30 | 31 |    |    | 24       | 25 | 26 | 27 | 28 | 29 |    | 23       | 24 | 25 | 26 | 27 | 28 | 29 | 27       | 28 | 29 | 30 |    |    |    |   |
| 30        | 31 |    |    |    |    |    |          |    |    |    |    |    |    |          |    |    |    |    |    |    |          |    |    |    |    |    |    |   |
| MAY       |    |    |    |    |    |    | JUNE     |    |    |    |    |    |    | JULY     |    |    |    |    |    |    | AUGUST   |    |    |    |    |    |    |   |
| S         | M  | T  | W  | T  | F  | S  | S        | M  | T  | W  | T  | F  | S  | S        | M  | T  | W  | T  | F  | S  | S        | M  | T  | W  | T  | F  | S  |   |
|           |    |    |    | 1  | 2  | 3  | 1        | 2  | 3  | 4  | 5  | 6  | 7  |          |    | 1  | 2  | 3  | 4  | 5  |          |    |    |    |    | 1  | 2  |   |
| 4         | 5  | 6  | 7  | 8  | 9  | 10 | 8        | 9  | 10 | 11 | 12 | 13 | 14 | 6        | 7  | 8  | 9  | 10 | 11 | 12 | 3        | 4  | 5  | 6  | 7  | 8  | 9  |   |
| 11        | 12 | 13 | 14 | 15 | 16 | 17 | 15       | 16 | 17 | 18 | 19 | 20 | 21 | 13       | 14 | 15 | 16 | 17 | 18 | 19 | 10       | 11 | 12 | 13 | 14 | 15 | 16 |   |
| 18        | 19 | 20 | 21 | 22 | 23 | 24 | 22       | 23 | 24 | 25 | 26 | 27 | 28 | 20       | 21 | 22 | 23 | 24 | 25 | 26 | 17       | 18 | 19 | 20 | 21 | 22 | 23 |   |
| 25        | 26 | 27 | 28 | 29 | 30 | 31 | 29       | 30 |    |    |    |    |    | 27       | 28 | 29 | 30 | 31 |    |    | 24       | 25 | 26 | 27 | 28 | 29 | 30 |   |
|           |    |    |    |    |    |    |          |    |    |    |    |    |    |          |    |    |    |    |    |    | 31       |    |    |    |    |    |    |   |
| SEPTEMBER |    |    |    |    |    |    | OCTOBER  |    |    |    |    |    |    | NOVEMBER |    |    |    |    |    |    | DECEMBER |    |    |    |    |    |    |   |
| S         | M  | T  | W  | T  | F  | S  | S        | M  | T  | W  | T  | F  | S  | S        | M  | T  | W  | T  | F  | S  | S        | M  | T  | W  | T  | F  | S  |   |
|           | 1  | 2  | 3  | 4  | 5  | 6  |          |    |    | 1  | 2  | 3  | 4  |          |    |    |    |    |    | 1  |          |    | 1  | 2  | 3  | 4  | 5  | 6 |
| 7         | 8  | 9  | 10 | 11 | 12 | 13 | 5        | 6  | 7  | 8  | 9  | 10 | 11 | 2        | 3  | 4  | 5  | 6  | 7  | 8  | 7        | 8  | 9  | 10 | 11 | 12 | 13 |   |
| 14        | 15 | 16 | 17 | 18 | 19 | 20 | 12       | 13 | 14 | 15 | 16 | 17 | 18 | 9        | 10 | 11 | 12 | 13 | 14 | 15 |          |    |    |    |    |    |    |   |

| 1981      |    |    |    |    |    |    |          |    |    |    |    |    |    |          |    |    |    |    |    |    |          |    |    |    |    |    |    |   |
|-----------|----|----|----|----|----|----|----------|----|----|----|----|----|----|----------|----|----|----|----|----|----|----------|----|----|----|----|----|----|---|
| JANUARY   |    |    |    |    |    |    | FEBRUARY |    |    |    |    |    |    | MARCH    |    |    |    |    |    |    | APRIL    |    |    |    |    |    |    |   |
| S         | M  | T  | W  | T  | F  | S  | S        | M  | T  | W  | T  | F  | S  | S        | M  | T  | W  | T  | F  | S  | S        | M  | T  | W  | T  | F  | S  |   |
|           |    |    |    | 1  | 2  | 3  | 1        | 2  | 3  | 4  | 5  | 6  | 7  | 1        | 2  | 3  | 4  | 5  | 6  | 7  |          |    |    | 1  | 2  | 3  | 4  |   |
| 4         | 5  | 6  | 7  | 8  | 9  | 10 | 8        | 9  | 10 | 11 | 12 | 13 | 14 | 8        | 9  | 10 | 11 | 12 | 13 | 14 | 5        | 6  | 7  | 8  | 9  | 10 | 11 |   |
| 11        | 12 | 13 | 14 | 15 | 16 | 17 | 15       | 16 | 17 | 18 | 19 | 20 | 21 | 15       | 16 | 17 | 18 | 19 | 20 | 21 | 12       | 13 | 14 | 15 | 16 | 17 | 18 |   |
| 18        | 19 | 20 | 21 | 22 | 23 | 24 | 22       | 23 | 24 | 25 | 26 | 27 | 28 | 22       | 23 | 24 | 25 | 26 | 27 | 28 | 19       | 20 | 21 | 22 | 23 | 24 | 25 |   |
| 25        | 26 | 27 | 28 | 29 | 30 | 31 |          |    |    |    |    |    |    | 29       | 30 | 31 |    |    |    |    | 26       | 27 | 28 | 29 | 30 |    |    |   |
| MAY       |    |    |    |    |    |    | JUNE     |    |    |    |    |    |    | JULY     |    |    |    |    |    |    | AUGUST   |    |    |    |    |    |    |   |
| S         | M  | T  | W  | T  | F  | S  | S        | M  | T  | W  | T  | F  | S  | S        | M  | T  | W  | T  | F  | S  | S        | M  | T  | W  | T  | F  | S  |   |
|           |    |    |    |    | 1  | 2  |          | 1  | 2  | 3  | 4  | 5  | 6  |          |    |    | 1  | 2  | 3  | 4  |          |    |    |    |    |    | 1  |   |
| 3         | 4  | 5  | 6  | 7  | 8  | 9  | 7        | 8  | 9  | 10 | 11 | 12 | 13 | 5        | 6  | 7  | 8  | 9  | 10 | 11 | 2        | 3  | 4  | 5  | 6  | 7  | 8  |   |
| 10        | 11 | 12 | 13 | 14 | 15 | 16 | 14       | 15 | 16 | 17 | 18 | 19 | 20 | 12       | 13 | 14 | 15 | 16 | 17 | 18 | 9        | 10 | 11 | 12 | 13 | 14 | 15 |   |
| 17        | 18 | 19 | 20 | 21 | 22 | 23 | 21       | 22 | 23 | 24 | 25 | 26 | 27 | 19       | 20 | 21 | 22 | 23 | 24 | 25 | 16       | 17 | 18 | 19 | 20 | 21 | 22 |   |
| 24        | 25 | 26 | 27 | 28 | 29 | 30 | 28       | 29 | 30 |    |    |    |    | 26       | 27 | 28 | 29 | 30 | 31 |    | 23       | 24 | 25 | 26 | 27 | 28 | 29 |   |
| 31        |    |    |    |    |    |    |          |    |    |    |    |    |    |          |    |    |    |    |    |    | 30       | 31 |    |    |    |    |    |   |
| SEPTEMBER |    |    |    |    |    |    | OCTOBER  |    |    |    |    |    |    | NOVEMBER |    |    |    |    |    |    | DECEMBER |    |    |    |    |    |    |   |
| S         | M  | T  | W  | T  | F  | S  | S        | M  | T  | W  | T  | F  | S  | S        | M  | T  | W  | T  | F  | S  | S        | M  | T  | W  | T  | F  | S  |   |
|           |    |    | 1  | 2  | 3  | 4  |          |    |    |    | 1  | 2  | 3  |          |    |    | 1  | 2  | 3  | 4  |          |    |    | 1  | 2  | 3  | 4  | 5 |
| 6         | 7  | 8  | 9  | 10 | 11 | 12 | 4        | 5  | 6  | 7  | 8  | 9  | 10 | 8        | 9  | 10 | 11 | 12 | 13 | 14 | 6        | 7  | 8  | 9  | 10 | 11 | 12 |   |
| 13        | 14 | 15 | 16 | 17 | 18 | 19 | 11       | 12 | 13 | 14 | 15 | 16 | 17 | 15       | 16 | 17 | 18 | 19 | 20 | 21 | 13       | 14 | 15 | 16 | 17 | 18 | 19 |   |
| 20        | 21 | 22 | 23 | 24 | 25 | 26 | 18       | 19 | 2  |    |    |    |    |          |    |    |    |    |    |    |          |    |    |    |    |    |    |   |



# College Calendar 1980-1981

## AUTUMN TERM —

### NINETY-SECOND YEAR

**Registration** Sept. 2-4  
(Tu-Th)

Language Placement  
Examinations Sept. 2 (Tu)

**Classes begin 9:00 a.m.** Sept. 4 (Th)

**Last day for October  
1980 graduates to submit  
work not completed in  
previous terms** Sept. 5 (F)

**Program Filing**  
**Last day to file Autumn  
Term programs 5:00 p.m.** Sept. 16 (Tu)

**Last day to add a course** Sept. 16 (Tu)

**Deferred examinations**  
for students absent from May  
1980 final examinations in  
Barnard courses. Deferred  
examinations for C,F,G,W,  
and other Columbia courses  
must be taken before the end  
of the semester. Sept. 18-19  
(Th,F)

**Last day to file Spring  
Term Senior Scholar  
applications** Oct. 10 (F)

**Last day to file  
diploma name cards  
for the degree in  
January 1981** Oct. 17 (F)

**MIDTERM DATE** Oct. 21 (Tu)

Award of October degrees Oct. 22 (W)

Academic Holiday Nov. 3 (M)

Election Day Holiday Nov. 4 (Tu)

**Required meetings for  
planning programs** Nov. 6 (Th)

Undergraduate Record and  
Graduate Record Examina-  
tions for January graduates will  
be scheduled on one day during  
this week. Nov. 10-14  
(M-F)

**Last day to drop a course** Nov. 13 (Th)

Major examinations for  
January graduates Nov. 19-21  
(W-F)

**TENTATIVE  
PROGRAM FILING**  
**Last day to file tentative  
Spring Term programs** Nov. 25 (Tu)

**Last day for graduating sen-  
iors to submit work not com-  
pleted in previous terms** Nov. 26 (W)

Thanksgiving Holidays Nov. 27-30  
(Th-Sun)

**Last day to file requests for  
pass-fail grades** Dec. 3 (W)

Optional reading period Dec. 5-10 (F-W)

Required reading day Dec. 11 (Th)

**Last day for payment of bill for  
Spring Term** Dec. 11 (Th)

**Last day for refund of Spring  
Term Deposit** Dec. 11 (Th)

**MIDYEAR EXAMINATIONS  
begin** Dec. 12 (F)

Autumn Term ends Dec. 19 (F)

**Last day to submit work for  
courses in which grades of I  
were given in the Autumn  
Term 1979** Dec. 19 (F)

Winter recess Dec. 20-Jan. 14,  
1981 (Sat-W)

## SPRING TERM 1981

**Last day to submit to Office  
of the Registrar work from  
Autumn Term 1980 for re-  
moval of I** Jan. 5 (M)

**Registration** Jan. 15, 16, 19  
(Th,F,M)

**Classes begin 9:00 a.m.** Jan. 19 (M)

Language Placement  
Examinations Jan. 19 (M)

Award of January degrees Jan. 21 (W)



|  |                             |  |                           |
|--|-----------------------------|--|---------------------------|
| <b>Last day to file application for deferred examinations in Barnard courses</b>   | <b>Jan. 23 (F)</b>          | Optional reading period  | <b>April 24-29 (F-W)</b>  |
| <b>Program filing</b>  |                             | <b>Program filing</b>  |                           |
| <b>Last day to file programs 5:00 p.m.</b>   | <b>Jan. 28 (W)</b>          | <b>Last day to file tentative Autumn Term programs</b>   | <b>April 28 (Tu)</b>      |
| <b>Last day to add a course</b>  | <b>Jan. 28 (W)</b>          | <b>Last day to file diploma cards for the degree in October 1981</b>   | <b>April 28 (Tu)</b>      |
| <b>Deferred examinations</b> for students absent from December 1980 final examinations in Barnard courses. Deferred examinations for C,F,G,W, and other Columbia courses must be taken before the end of the semester. | <b>Feb. 10-11 (Tu,W)</b>    | Required reading day   | <b>April 30 (Th)</b>      |
| <b>Last day to file diploma name cards for the degree in May 1981</b>  | <b>Feb. 20 (F)</b>          | <b>FINAL EXAMINATIONS BEGIN</b>  | <b>May 1 (F)</b>          |
| <b>Last day to submit 1981-82 Senior Scholar applications</b>  | <b>Feb. 27 (F)</b>          | Spring Term ends   | <b>May 8 (F)</b>          |
| <b>MIDTERM DATE</b>  | <b>March 5 (Th)</b>         | <b>Last day to submit work in which grades of I were given for Spring 1980 (Graduating seniors see March 27)</b> | <b>May 8 (F)</b>          |
| Spring Holidays  | <b>March 7-15 (Sat-Sun)</b> | Baccalaureate Service  | <b>May 10 (Sun)</b>       |
| Undergraduate Record and Graduate Record Examinations for May and October graduates will be scheduled one day during this week.  | <b>March 16-20 (M-F)</b>    | <b>Last day for payment of deposit for 1981-82</b>   | <b>May 11 (M)</b>         |
| <b>Last day to drop a course</b>   | <b>March 19 (Th)</b>        | <b>Conferring of degrees</b>   | <b>May 13 (W)</b>         |
| <b>Last day for graduating seniors to submit work not completed in previous terms</b>  | <b>March 27 (F)</b>         | <b>Last day to submit to Office of the Registrar work from Spring 1981 Term for removal of I</b>                 | <b>May 22 (F)</b>         |
| <b>Last day for sophomores to declare major choices</b>  | <b>March 27 (F)</b>         | <b>Last day for October 1981 graduates to submit work not completed in previous terms</b>                        | <b>Sept. 4 (F)</b>        |
| Major examinations for May and October graduates   | <b>April 8-10 (W-F)</b>     | <b>Registration for Autumn Term</b>  | <b>Sept. 8-10 (Tu-Th)</b> |
| Required meetings for planning programs  | <b>April 9 (Th)</b>         | <b>Classes begin 9:00 a.m.</b>   | <b>Sept. 10 (Th)</b>      |
| <b>Last day to file application for 1981-82 financial aid</b>  | <b>April 17 (F)</b>         | <b>Last day to file application for deferred examinations in Barnard courses</b>                                 | <b>Sept. 10 (Th)</b>      |
| <b>Last day to file request for pass-fail grades</b>   | <b>April 22 (W)</b>         |  |                           |
| Phi Beta Kappa-Honors Convocation  | <b>April 23 (Th)</b>        |  |                           |







## II. The College

### **BARNARD'S HISTORY**

Barnard College was among the pioneers in the late nineteenth century crusade to make higher education available to young women. The history of its achievement is an integral part of the history of Columbia University.

The University had its origin in a royal charter, granted in 1754 by George II, creating King's College. Its operations were interrupted during the Revolutionary War when its buildings were requisitioned by the Continental Armies, but it was reopened in 1784 as Columbia College and, in 1896, was designated a university.

Barnard College grew out of the idea, first proposed by Columbia's tenth president, Frederick A. P. Barnard, that young women be admitted to Columbia. Initially ignored, the idea was developed by President Barnard until it led to the creation of a "Collegiate Course for Women." Under the new plan highly qualified women were authorized to follow a prescribed course leading ultimately to a Columbia degree, but no provision was made for where and how they were to pursue their studies. Destined to fail, this arrangement was abandoned six years later when Columbia's trustees agreed to the establishment of an affiliated college for women. A provisional charter and the promise of funds were secured, and Barnard College was named in honor of its earliest and most persistent advocate.

In October 1889, the first Barnard class met in a rented brownstone house at 343 Madison Avenue with fourteen students enrolled in the School of Arts, twenty-two "specials" enrolled in science because they lacked the entrance requirements in Greek, and a faculty of six.

Nine years later Barnard moved to its present site on Morningside Heights, and in 1900 was incorporated in the educational system of Columbia University with provisions which at that time were unique among women's colleges: it was to be governed by its own Trustees, Faculty, and Dean, and was responsible for its own endowment and plant, while sharing the instruction, the library, and the degrees of a university.



# The College

## **BARNARD TODAY**

In contrast to the pioneer days, Barnard today has a teaching staff of almost 200 men and women, outstanding scholars whose primary concern is the education of undergraduate students at the College, and many of whom bring an added vitality to their teaching from their professional activities outside the classroom. From the original fourteen matriculated students, enrollment has increased to 2,450; since 1893 Columbia has awarded its degree to 22,500 Barnard students. The original gifts of support have expanded to the current endowment funds of \$22,326,136.

An agreement adopted by the Barnard and the Columbia Boards of Trustees in 1973 calls for increased cooperation without assimilation between the two institutions. While Barnard maintains its identity as an independent liberal arts college for women with its own curriculum, faculty, admissions standards, and graduation requirements, it shares the resources of the University. Barnard students have open access to Columbia courses and, as an affiliate of the University, Barnard shares faculty, libraries and facilities with Columbia.

## **THE FACULTY**

The Barnard faculty consists of scholar-teachers who have long recognized that their teaching depends upon their scholarship and grows out of it. The range of the Barnard curriculum fairly reflects this understanding, both in its concentration upon the traditional disciplines of learning and in its innovative interdisciplinary programs. The scholarly commitment of the Barnard faculty is constantly shown, too, in the variety and quality of its many research projects, its books and articles in learned journals, its participation in academic societies, and its many different kinds of publication and performance. But its abiding achievement is a constant demonstration in the classroom of the binding ties of teaching and scholarship to each other which simply will not accept the possibility of any serious conflict between them. For in these central functions, Barnard's scholar-teachers honor the enduring values of their profession.

## **THE CURRICULUM**

Specific requirements for the degree are outlined on pages 43-47. Assistance in planning her individual course of study is given by the student's class adviser, a member of the teaching staff who supervises the work of the freshman and the sophomore years. At the end of this period, each student chooses her major field. During the junior and senior years her major adviser guides advanced study in the areas of concentration and other phases of the college work. Twenty-five departments offer major programs and seven interdepartmental majors are also available.

Classes vary in size. Those in which student participation is important are small. Introductory courses and classes taught primarily by the lecture method are often divided into small groups for conference and discussion. Laboratory work in the sciences is conducted with the most modern laboratory equipment. There are opportunities for independent work and students may also be invited to participate in research projects with members of the Faculty.

An integral and pervasive aspect of academic life at Barnard College is the school's Honor System, instituted in 1912.

## **SPECIAL CONCERNS ABOUT THE EDUCATION OF WOMEN**

Acknowledging the changing climate for women, the Barnard Women's Center exists to offer a wide range of programs and services, both academic and non-academic. These include an extensive resource collection of books, articles, and periodicals on women's issues, an annual academic conference examining the impact of feminism on traditional scholarship, as well as speakers, films, and poetry readings. Governed by an Executive Committee of students, faculty, administrators and alumnae, the Center strives to provide continuity and links between students and alumnae and between the College and women on and off the campus.



## THE CAMPUS

The campus occupies four acres of urban property along Broadway between 116th and 120th Streets. At the southern end of the campus, three residence buildings, Brooks, Hewitt, and Helen Reid Halls, face Altschul Court, a landscaped quadrangle.

Barnard Hall is just north of the open courtyard and contains seminar rooms, classrooms, and faculty offices, as well as a gym, a swimming pool, and dance studios. The Sulzberger Parlor on the third floor is used for meetings and small social events.

Adele Lehman Hall is a modern five-story building containing the Wollman Library, faculty offices and classrooms. The library has about 150,000 volumes in an open shelf arrangement on three floors. This collection of carefully selected books is designed to cover curriculum requirements as well as to provide opportunities for independent work in many fields. A collection of approximately 4,800 music and spoken records, a large selection of periodicals and journals, as well as a small browsing collection of popular books and records, supplement and strengthen the book collection. There are ample listening facilities for records and an audio-visual studio and control room for the recording of audio-visual tapes and the use of other equipment. The reading areas contain a number of individual study carrels, many of which overlook a lawn surrounded by small trees and shrubs. Barnard students also have access to the University's Butler Library of some five million volumes, ten million manuscripts and fifty seven thousand periodical listings. The other twenty-nine libraries of the University are also available for additional research.

Helen Goodhart Altschul Hall and the Millicent McIntosh Center, which were dedicated jointly in November 1969, face each other across an open plaza. The fourteen stories of Altschul Hall are devoted primarily to the sciences but also house the Herbert H. Lehman Auditorium on the first floor, and a language laboratory on the fourth. The laboratory, which contains 60 booths, is used by both Barnard and Columbia language students. Headquarters for student activities, a snack bar and a lounge are located in the McIntosh Center. Student mailboxes are there as well as music practice rooms, recreation and television rooms, bowling alleys, an art exhibit area, and the Jean T. Palmer Room for conferences.

Milbank Hall occupies the northern extreme of the campus and houses administrative and faculty offices, classrooms, a greenhouse, and the Minor Latham Playhouse, a small well-equipped modern theater. The Language Departments maintain social and reading rooms in Milbank Hall.

Columbia University is directly across Broadway from the Barnard campus. Off campus, but in the immediate neighborhood, Barnard maintains other residence halls, including 600, 616, and 620 West 116th Street, three apartment buildings owned by the College and containing suites accommodating five to six students each; and Plimpton Hall, completed in 1968, which houses 280 students in apartment-style units.

Barnard Camp is a 20-acre tract in Westchester County about 35 miles from New York City. The Camp and its rustic lodge, Holly House, are used by the College for both recreational and educational purposes.

## STUDENT LIFE

Barnard's student population is cosmopolitan in nature. While one-third of the students have families within commuting distance, others come from nearly every state and some twenty-five foreign countries. The students represent diversity in background and training, and a mingling of economic, regional and cultural strains finds expression in the life of the campus.

Every Barnard student is a member of the Undergraduate Association, which sponsors extracurricular activities reflecting current interest: the college newspaper, the literary magazine, dramatic groups, political and religious organizations, and pre-professional and departmental



# The College

clubs. Cooperation between Barnard and Columbia groups is common. Many activities, such as the University's chorus and its orchestra, its radio station, and a community service program enlist members from both campuses. During the past eight years the structure of Barnard's student government has undergone fundamental revision, culminating in the development of tripartite college committees. Students, faculty, and administrators serving on these committees share responsibility for policy decisions in the areas of curriculum, housing, financial aid, orientation, and the library.

The Honor Code, instituted at Barnard in 1912, governs all aspects of academic life. A Judicial Council of undergraduates, faculty and staff, recommends disciplinary action for nonacademic offenses.

Religious organizations and activities with headquarters on the Columbia campus at Earl Hall encompass nearly every faith and are open to all students. The Thursday Noon Meeting at Barnard provides a weekly forum for discussion of a wide range of contemporary issues. Student artists with a diversity of talents and interests collaborate to produce Winter and Spring Festivals.

The Recreation and Athletic Association sponsors many activities which include intramurals, sports week and special events. The intercollegiate athletic program, governed by the Council on Intercollegiate Athletics (CIA), sponsors varsity teams in Basketball, Crew, Fencing, Swimming, Tennis and Volleyball. Varsity teams enjoy regular competitive schedules and expert coaching. Opportunities are provided to advance to Ivy League, State, Regional and National championships. Contact Marjorie Greenberg, Director of Athletics, for further information.

## NEW YORK

More than fifty years ago, Nicholas Murray Butler, one of Columbia's great presidents, observed, "New York is intensely cosmopolitan and contact with its life for a short time during the impressionableness of youth is in itself a liberal education." The city is an extension of the campus, utilized by every department to narrow the gap between learning and living. Barnard is a university college in an international city, and today the curriculum affirms and encourages precise and graphic use of its vast metropolitan resources.

Approximately 90% of those students who are eligible to continue at the college are enrolled in any given year; of the remaining 10%, about half are readmitted after one or more terms away for study, travel, or other reasons. An average of 80% of any entering class is graduated from Barnard. Senior classes are larger than entering classes because transfer students are admitted with sophomore and junior standing.

Every year the Office of Career Services collects and summarizes information about post-baccalaureate study and employment. In the first year after graduation, 50 to 60% of those who receive the degree enter full-time graduate or professional study, with the largest proportions opting for medical schools (10-13%), law schools (10-12%), business schools (3-5%), education schools (3-5%), and schools of the arts (4-8%). The rest, with the exception of fewer than 1%, obtain employment in business and industry, research, publishing, teaching, and other fields.











# III. Admission

## Selection of Candidates

The Committee on Admissions selects young women of proven academic strength who exhibit the potential for further intellectual growth. In addition to their high school records, recommendations, and College Entrance Examination Board scores, the candidates' special abilities and interests are also given careful consideration. While admission is highly selective, no one criterion determines acceptance. Each applicant is considered in terms of her individual qualities of mind and spirit and her potential for successfully completing four years of study at Barnard.

Barnard also seeks students from diverse educational and cultural backgrounds and from many geographic regions. However, no preconceived profile of an ideal student population limits the number of applicants accepted from any one group. The College admits students without regard to race, color, creed, national origin, handicap to all rights, privileges, programs, and activities generally accorded or made available to students at the College; and the College does not discriminate on the basis of race, color, creed, national origin, handicap, or sexual orientation in administration of its educational policies, admissions policies, financial aid and loan programs, recreational programs, and other College administered programs.

## Freshman Application Procedures

Students are admitted to the freshman class in September only, and they must be at least fifteen years of age.

Application for admission to the freshman class should be made by January 15 for entrance in September of the same year. It is advisable, however, to apply in the fall of the senior year in high school. Application forms may be obtained by writing to the Office of Admissions.

A nonrefundable fee of \$25 must accompany each application. Checks or money orders must be in U.S. funds drawn on a U.S. bank and made payable to Barnard College. Students with great financial need should request a fee-waiver from their high school counselor and send it with the application.



# Admission

## Secondary School Preparation

Each candidate for admission must offer a college preparatory program from an approved secondary school or an equivalent education representing a four-year course of study. Academic preparation for admission should be based on the requirements for the A.B., or liberal arts, degree. A recommended program would comprise four years of work in English; three years in mathematics; three or four years in a foreign language (ancient or modern); two years in science with laboratory; and one year in history. An introduction to a second foreign language is generally useful. The remainder of the program would include additional work in the aforementioned subjects with the possible addition of music and art. Applications varying from this pattern are considered without discrimination if the candidate's records indicate genuine intellectual ability and high motivation.

## College Entrance Examination Boards

Barnard requires all freshman candidates to take the College Entrance Examination Board's Scholastic Aptitude Test (SAT) and three Achievement Tests in (1) English composition or literature, (2) a foreign language, and (3) history, science, or mathematics. These tests should be taken by January of the senior year. As early as possible, candidates should write **directly** to the College Entrance Examination Board, Box 592, Princeton, New Jersey 08540 for the Bulletin of Information containing descriptions of the Scholastic Aptitude and Achievement Tests, directions for filing applications, the dates on which examinations are administered, and a list of examination centers. Dates vary from year to year and applications to take the tests must be received by the CEEB well in advance of the test.

**It is the student's responsibility to direct the College Entrance Examination Board to send official test scores to the Office of Admissions.** The Barnard College code for this purpose is 2038.

Requests for exceptions to the Achievement Test requirement must be made in writing to the Director of Admissions.

## Recommendations

Another important part of the application is the submission of two recommendations, one from the high school counselor and the other from a teacher of the candidate's choice. These recommendations give the Committee on Admissions additional information about the candidate's interests, character, skills, and aptitude, and should be as complete as possible.

## Interviews

Although not required, an interview is highly recommended. For students who are able to visit the campus, interviews and tours can be arranged by writing or calling the Office of Admissions (212-280-2014). Appointments are scheduled Monday through Friday from ten to eleven-thirty in the mornings and from two to three-thirty in the afternoons, and on Saturday mornings. For those who are unable to arrange interviews at the College, appointments can be made with Barnard Area Representatives whose names are listed on page 287 or with the College Admissions Officers who visit major metropolitan areas throughout the county each fall.

## SPECIAL APPLICATION PROCEDURES

### Early Decision

Well-qualified high school seniors who have selected Barnard as their first choice college may apply under the Early Decision Plan (EDP). Although a student may submit only one Early Decision application, she may initiate regular applications to other colleges; if admitted to Barnard under Early Decision, she must withdraw all other applications. A first-choice candidate should send her application and other required credentials (listed above under freshman application procedures) to the Office of Admissions by November 15. She will be notified of the Committee's decision no later than December 15. To reserve a place in the freshman class, an



# Admission

Early Decision student must submit a nonrefundable enrollment deposit in January. This deposit is applied toward total annual tuition and fees for the freshman year.

The Committee on Admissions may choose to postpone decision on an EDP application until the spring. In that event, the student is asked to submit a record of school work from the first half of the senior year.

## Deferred Enrollment

An admitted freshman or transfer student who wishes to defer enrollment in Barnard for one year must obtain permission by writing to the Director of Admissions explaining the reasons for the deferral request.

## Foreign Students

Each year Barnard enrolls a number of qualified foreign students. These students are expected to follow the same application procedures and present the same credentials as other candidates. Foreign students who are considering Barnard are encouraged to communicate with the Director of Admissions well in advance of entrance so that the College may assist them with their plans.

Knowledge of the English language is essential for admission. Those students whose native language is not English are required to take the Test of English as a Foreign Language (TOEFL). Information about registration for the test is obtained by writing the TOEFL Program, Educational Testing Service, Princeton, New Jersey 08540. If the TOEFL scores cannot be presented, students are required to take the American University Language Center Test. Arrangements for it should be made through the United States Consulate.

After enrolling at Barnard, foreign students receive assistance with academic placement from the Foreign Student Adviser in the Office of the Dean of Studies. In some cases, limited financial aid is granted. For more detailed information, foreign students should consult page 26 and the Office of Financial Aid.





# Admission

## Transfer Students

Barnard welcomes transfer students in the sophomore and junior classes each year. Applications for acceptance with advanced standing should be submitted by **May 15** for admission in September and by **November 15** for admission in January.

Each candidate must submit a formal application and the following credentials: the secondary school record, the results of the SAT's, a recommendation from the principal and from the college dean or class adviser, an official transcript of all college work, and a copy of the college catalogue in which the courses taken are clearly marked.

A strong record of not less than one year's work at an accredited college, foreign university, or equivalent institution is required. In some cases, advanced credit cannot be assigned until a student has had an opportunity to establish a satisfactory record at Barnard, but, in general, credit is given for courses which are similar in content to Barnard courses.

After acceptance, academic and general guidance is provided by the Advisers to Transfer Students in the Office of the Dean of Studies. For information on financial aid, students should consult page 26.

## Visiting Students

Qualified students who are degree candidates at other colleges may apply for admission as visiting students (Other College Degree Candidates) for one or two semesters. Each applicant must present a satisfactory college record and letters of approval from the dean and major adviser from the degree-granting school.

## Readmission

Barnard students who have not been registered for one or two terms may return without applying for readmission by notifying the Dean of Studies. Students who have not been registered for more than two consecutive semesters must apply for readmission to the Director of Admissions by **November 15** for the Spring term and by **May 15** for the Autumn term. A nonrefundable fee of \$25 must accompany each application.

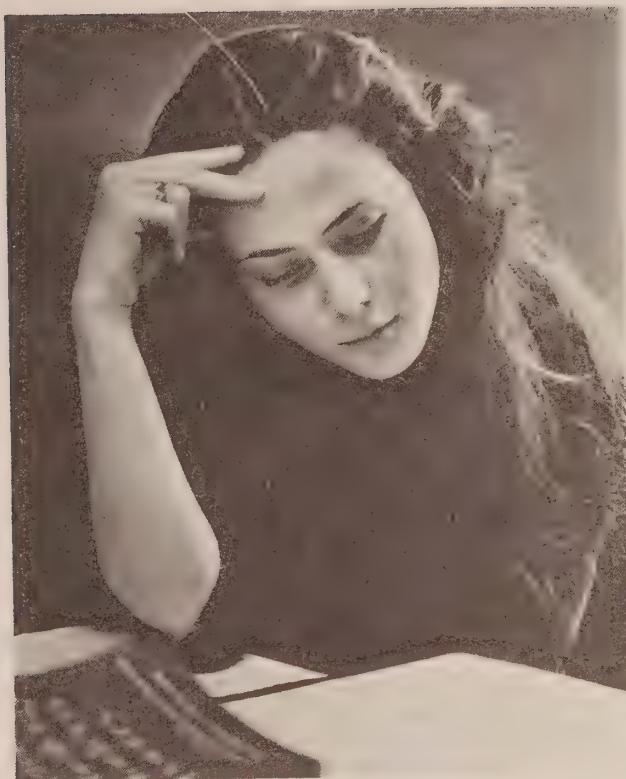
## Resumed Education Program

Former Barnard students who wish to return to the College after an absence of at least five years to complete the A.B. degree or for further study in new areas of interest after graduation may obtain applications from the Director of Advising and Services for Resumed Education Students in the Office of the Dean of Studies.

## Admission with Advanced Placement

Credit for advanced work completed in secondary school is determined on the basis of Advanced Placement scores and by the policy of the Barnard department concerned. Departmental policies are outlined in departmental descriptions and requirements.











# IV. Financial Information

## Annual Tuition and Fees

The costs of education at Barnard are met by tuition, by income from endowment, by current gifts from alumnae and other friends of the College, and by grants from foundations, corporations, and government agencies. The College makes every effort to limit charges to students, but must reserve the right to set tuition and fees at the level necessary for the maintenance of a high quality of instruction.

## Schedule of Annual Tuition and Fees

The following tuition and fees are required from all students for the Academic Year 1980-1981 and are subject to change without prior notice.

|  |         |
|--|---------|
| Tuition  |         |
| <b>Full program</b> (3-5 courses per term)   | 5940.00 |
| <b>Partial program</b> (fewer than 3 courses per term).<br>Charges will be assessed on a course or fractional quarter of a course basis regardless of degree credit received. Per course | 742.50  |
| <b>Excess program</b> (6 or more courses per term).<br>Charges will be assessed on a course or fractional quarter of a course basis regardless of degree credit received. Per course     | 742.50  |
| <b>Program for Resumed Education.</b> Tuition is assessed on the basis of a schedule available from the Director of the program in the Office of the Dean of Studies.                    | 742.50  |
| Health Service (see page 40)   | 133.00  |
| Accident and Sickness Insurance (see page 40)  | 60.00   |
| Undergraduate Association Student Activity Fee   | 60.00   |



# Financial Information

The following fees are required from all students occupying college housing facilities for the Academic Year 1980-1981

|  |         |
|--|---------|
| Brooks, Hewitt and Reid Halls (Board required) |         |
| Single Room and Board                          | 2900.00 |
| Multiple Occupancy and Board                   | 2700.00 |

|   |         |
|---|---------|
| All other College housing (Board optional)                |         |
| (See pages 32-34 for description of available facilities) |         |
| Single Room   | 1900.00 |
| Multiple Occupancy  | 1700.00 |
| Board   | 1000.00 |
| (Kosher Plan available at additional cost)                |         |

## Other fees – required if applicable

|   |        |
|---|--------|
| Application for admission   | 25.00  |
| Registration in absentia (per semester)   | 75.00  |
| Physical education – part-time students (per course)  | 185.63 |
| Orientation fee – All Freshmen and Transfers  |        |
| entering in the Autumn Term   | 60.00  |
| Senior fee – All graduating seniors   | 66.00  |
| Laboratory fees (per laboratory course)   |        |
| Biological Sciences   | 25.00  |
| Chemistry   | 28.00  |
| Psychology  | 10.00  |
| Deferred and special examinations (taken at any other time than the conclusion of the course), payable when application for the examination is filed. This fee does not apply to special procedures for disabled students. For each examination | 10.00  |
| Late filing of tentative program (per semester)   | 10.00  |
| Late Registration Fee-  |        |
| Autumn term – \$5.00 for filing on September 5; \$10.00 through September 16; \$25.00 through October 10; \$50.00 through November 13; \$75.00 after November 13.   |        |
| Term Spring – \$5.00 for filing on January 20; \$10.00 through January 28; \$25.00 through February 27; \$50.00 through March 19; \$75.00 after March 19.   |        |
| Late Program Filing Fee-  |        |
| \$5.00 for filing on the day after the deadline; \$20.00 through September 24 for the Autumn Term and February 5 for the Spring Term, plus \$10.00 for each week or part of a week thereafter.  |        |
| Late Processing fee (charged for tuition and fee payment received after the due dates noted below)  | 25.00  |
| Late filing of:   |        |
| Application for deferred exam   | 15.00  |

Under certain circumstances, course or departmental charges may be made.

Please see announcements of departmental offerings and special requirements for courses in the University.

Consult the College Calendar (page 6) for appropriate filing dates and deadlines.



# Financial Information

## Payment of charges and fees

All charges and fees (unless otherwise noted) are billed on an annual basis. Two-thirds of this annual charge is due August 1, and the remaining one-third by December 15. Payments received after these dates are subject to a late processing fee of \$25. Registration for either semester will not be complete until all College costs have been paid. Failure to complete registration on time imposes the late registration fee. Occupancy of an assigned dormitory room will not be permitted until charges have been paid in full as required. Students admitted after August 1, must pay the balance due (two-thirds of annual charges and fees) by the first day of registration.

Financial aid grants and any loans applied for may be deducted in full from the year's tuition before computation of the two-thirds and one-third payments due.

Privileges of the College, including issuing of transcripts and administration of examinations are not available to any student who is delinquent in the payment of her College bills. When bills are **not** paid in full by their due date or satisfactory arrangements for their payments made with the Bursar, the student will be required to withdraw from the College. College costs include annual tuition and fees, residence charges (if any), fines due the libraries and the Columbia Bookstore, assessments for room damage, and other charges that might be incurred throughout the College community.

## All charges and fees are subject to change at any time at the discretion of the Board of Trustees

Checks or money orders in payment of tuition and fees must be in U.S. funds (at a U.S. bank) payable to Barnard College. Checks or money orders should be made out for the exact amount of the payment due.

## Deposits

**All students.** To obtain a place on the College roster for the ensuing academic year, each student who is currently enrolled must pay a deposit of \$100 toward annual tuition and fees on or before May 15. An applicant for admission will be billed for the deposit at the time she accepts admission to the College. The entire deposit is deducted from the bill for annual tuition and fees, due August 1. If the Bursar is notified by July 1 that a student does not plan to return to Barnard for the academic year 1980-1981, the entire deposit of \$100 will be refunded. After July 1, \$50 of the deposit is forfeited.

**Students in Residence.** Students who have been offered space must submit a deposit of \$200 by May 15th. The entire \$200 deposit will be applied toward the cost of the room or apartment. If the Bursar is notified of a cancellation of the room request by July 1st, \$100 will be refunded (\$100 is non-refundable upon receipt).

A room damage deposit of \$100.00 is required of all students in residence.

## Deferred Payment

For students and parents desiring to pay education costs in monthly payments, a choice of payment plans is available. The College has arranged to participate in the Richard C. Knight Insured Tuition Plan of Boston and the Tuition Plan of New Hampshire. Information on these plans is sent to the parents of all incoming students and is available to all returning students in the Barnard Business Office.

## Adjustment of fees and refunds

**For changing program of study.** If a student changes her program and the tuition called for is lower than the amount she has already paid, she will be refunded the excess only if the alteration in her program is made by September 16 (last day of program filing) in the Autumn Term and by January 28 in the Spring Term. If the new program calls for higher tuition, the student is responsible for paying the additional charges promptly.



# Financial Information

**For withdrawal.** If a student withdraws from the College after July 1, the following amount of tuition and residence fees will **not** be refunded:

|               |   |
|---------------|---|
| Tuition       | \$ 50   |
| Resident fees | \$200 (\$100 of this amount is non-refundable upon receipt) |

A pro-rata refund of remaining charges is made on a semester by semester basis in accordance with the following schedule:

**Fees.** All required fees are non-refundable after Autumn and Spring Term registration dates as noted in the College calendar.

**Tuition.** Tuition refunds for withdrawal are as follows:

Up to and including the first Friday of the term – full refund except deposit (\$50). After the first Friday of the term, 10% of the remaining tuition will be retained by the College for each week or part of a week up to the date on which the student's written notice of withdrawal from the College is received by the Office of the Dean of Studies.

**Residence Charges.** Up to the first day of classes – full refund except deposit (\$200). After the first day of classes a pro-rata refund of remaining charges to the date the vacated room is rented by the College Housing Office.

**Optional Board Plan.** Pro-rata refund from the date the meal card is received by Food Service.

## Safekeeping of Students' Funds

Barnard College is not able to receive funds from students for safekeeping or to cash personal checks or travelers checks.

To cover immediate expenses, students should provide themselves with travelers checks, which can be cashed at a local bank, or money orders, which the Columbia University Station of the U.S. Post Office will cash upon presentation of a validated ID card. Validated ID cards are issued after students register at the beginning of each term.

## Financial Aid

Insofar as possible, Barnard assists qualified students who demonstrate financial need. Barnard does not discriminate against applicants for financial aid on the basis of race, color, creed, national origin, handicap, or sexual orientation.

Financial aid from the College consists primarily of grants and loans, although opportunities for part-time employment are also provided. In addition to providing financial aid from its own funds, i.e. gifts, endowment, and general income, Barnard participates in the following Federal programs: the Basic Education Opportunity Grant program, the Supplemental Educational Opportunity Grant program, the National Direct Student Loan program, the Guaranteed Student Loan program, and the College Work-Study program. Barnard also participates in the New York State Higher Education Opportunity Program (HEOP). Federal funds are administered by the College in accordance with government regulations and the College's general policies relating to financial aid. To supplement the above mentioned financial aid sources students are urged to investigate state loan and scholarship/tuition assistance programs and college tuition financing plans offered by local banks and insurance companies.

Any student who thinks she will need financial aid in order to attend Barnard is encouraged to apply for aid. The decision of the Committee on Admissions to admit a student is not affected by the fact that a student has applied for or demonstrated need for financial aid.

## Financial Aid Awards

Financial aid awards are made on an annual basis to full-time students who demonstrate financial need. A detailed explanation of current College policies and awarding practices may be found in the brochure, Barnard College Financial Aid Information, available from the Office of Financial Aid.



# Financial Information

The system of awarding financial aid according to need is based on the premise that the applicant's family has the primary responsibility for financing a college education; financial aid is intended to supplement what a family might reasonably be expected to contribute toward an applicant's college expenses. In addition to parental resources, each applicant is expected to provide a reasonable amount from her own assets, summer employment, and other resources to which she may be entitled, such as social security and veteran's benefits.

An individual student's need is determined by current College costs and policies and by the need analysis system of the College Scholarship Service (CSS) and is based on information provided by the parents/student on the Financial Aid Form (FAF). Consideration is given to such factors as family income, assets, size of family, age of parents, and number of children attending college. The Office of Financial Aid thoroughly reviews each analysis and may adjust the CSS need determination whenever there is documentation of special family problems or whenever there is reason to believe that information provided on the FAF is incorrect or incomplete. **The College will be the sole judge of the financial aid to be granted, and may, at any time, withdraw or discontinue such aid.**

When funds are not sufficient to meet the needs of all students who are offered admission, aid will be offered to as many well-qualified applicants as possible, with preference to those needy students whom the Committee on Admissions determines to be the strongest applicants.

**Awards are for one year only.** Students who receive aid, upon entering Barnard, must submit a new application each year in order to be considered for aid in succeeding years.

Students who do not receive aid on entering Barnard should not expect aid from the College in subsequent years. Only after discharging obligations to students already receiving aid and to entering students will the College be able to consider applications from such students.

Any student seeking **readmission** to and financial aid from the College who did not obtain prior written permission for her leave must appeal her case through the College Appeals Committee. Information about this process may be obtained from the Office of the Dean of Studies. Such readmitted students will be considered for aid only after the financial needs of all continuing and entering students have been met.

## Application Procedures

**Entering Freshmen.** A Barnard College "Application for Financial Aid" may be obtained from the Admissions Office. It should be completed and returned to that office on or before **January 15** by regular applicants, and on or before **November 15** by Early Decision applicants.

Each financial aid applicant must also have her parents file a Financial Aid Form (FAF) with the College Scholarship Service (CSS) for later than **January 15** of her senior year in high school. The FAF should be obtained from the high school guidance office. (NOTE: **Children of divorced or separated parents and those applicants claiming "self-supporting" status should consult with the Office of Financial Aid before filing the FAF.**)

Applicants should mail the completed FAF, with the appropriate fee, to the CSS at the address indicated on the form. **Barnard's CSS Code Number, which must be listed on the FAF, is 2038.** The CSS will then send a complete copy of the FAF and an analysis to Barnard.

Barnard requires aid recipients who expect to enroll in September to provide exact copies of parents' federal income tax returns (IRS Form 1040) prior to disbursement of financial aid funds. Tax returns are used to verify information on the FAF. Other documents, as individual circumstances dictate, may also be required.

**All** financial aid applicants **must** apply for a Basic Educational Opportunity Grant (BEOG), preferably by completing the section on the Financial Aid Form designated for that purpose.

Each student who submits a complete financial aid application will be considered for all types and sources of financial aid administered by the College, including federal, state, and institutional grants, loans, and work programs. Students are normally notified of the College's financial aid decision when they are notified of their admission.



# Financial Information

While all information submitted by the student and/or her family in support of her application for financial aid is treated with the utmost confidentiality, Barnard does confer with several colleges with which it has a high frequency of common applicants so that some consensus can be reached on the expected family contribution. This procedure helps to insure that a student's choice among these colleges can be based on other than financial reasons. If an entering freshman applies to more than one of these colleges (Amherst, Barnard, Bowdoin, Brown, Bryn Mawr, Colby, Cornell, Dartmouth, Harvard-Radcliffe, Middlebury, Mount Holyoke, Princeton, Smith, Trinity (Conn.), Tufts-Jackson, University of Pennsylvania, Vassar, Wellesley, Wesleyan, Williams, and Yale), her financial aid awards will usually vary only because of differing costs at the respective colleges.

**Transfer Students.** Barnard College grants are awarded to a limited number of transfer students who demonstrate financial need. All transfer students who apply for financial assistance should also apply for grants through the Basic Educational Opportunity Grant (BEOG) program, state scholarship/tuition assistance programs, and other outside scholarships. Transfer students may also be considered for low-interest loans or part-time employment through the College.

The prospective September transfer who is applying for financial aid must submit **by May 15** the FAF to the College Scholarship Service, a Barnard College Financial Aid Application, a Financial Aid Transcript (even if no aid was received) from her previous college(s), and her/her parents' most recent IRS 1040, all schedules, to the Office of Financial Aid. Other documents, as individual circumstances dictate, may also be required.

Financial aid to prospective January transfers is exceedingly limited. The application deadline for filing the FAF, the Barnard College Financial Aid Application, the Financial Aid Transcript(s) and the appropriate 1040(s) is **November 15**.

**Foreign Students.** All financial aid supplied by Barnard College is based on demonstrated need. Students are expected to acknowledge that the primary responsibility for financing educational costs rests with their families. Barnard College aid should be considered supplementary to family resources, as funds are limited.

Financial aid from the College to foreign students is extremely limited and highly competitive. Therefore, no foreign student should expect to receive financial aid during her first year. Any student admitted to the College without financial aid has no guarantee that she will receive financial aid subsequently.

Admitted foreign students should inquire at the nearest American Embassy about securing a Fulbright travel grant, as travel expenses to and from New York are not covered by Barnard. Approval for paid employment must be obtained from the Immigration and Naturalization Service.

**Other Degree Candidates.** Students studying at Barnard College, but matriculated elsewhere, receive no financial aid from Barnard. BEOG payments must be made by their home institutions, once a consortium agreement has been signed. Therefore, BEOG eligible students are urged to contact Offices of Financial Aid at their home institutions **before** enrolling at Barnard. Students wishing Guaranteed Student Loans or TAP must provide Barnard's Office of Financial Aid with letters from their home institutions which certify class standing, prior financial aid received, and that successfully completed Barnard course work will be applied toward their baccalaureate degree.

## **Application Procedures. Renewal Students.**

Application forms are available in the Office of Financial Aid at the beginning of the Spring semester.

Applications must be **submitted** on or before **April 16**, unless otherwise announced by the Office of Financial Aid. Notices of Barnard's financial aid decisions will be mailed to applicants by **July 15**.



# Financial Information

## New York State Tuition Assistance Program (TAP) Awards

A student who has been a legal resident of New York State for the preceding year may be entitled to a TAP Award (\$100 to \$900 per term) for up to four years while she is registered as a full-time degree candidate. The amount of this award is based upon the net taxable balance of her income and the income of those responsible for her support, as reported on the New York State income tax return for the previous year. Application for awards must be made annually and should be filed by July 1 for each academic year. A special application available from New York State (address below) must be filed for TAP.

Set forth below is a schedule of TAP awards on the basis of net taxable income. The net taxable income shown on the table is gross income less exemptions and deductions (line 5 of the New York State Tax "Short Form," or line 9 of the New York State Tax "Long Form"). A family's net taxable income, for the purpose of determining a TAP award, can be reduced \$3,000 for a second family member in full-time attendance at college, and by \$2,000 for each additional family member in college. TAP awards for Juniors and Seniors are \$200 less than the amounts shown on the schedule.

| NET TAXABLE<br>INCOME | ASSISTANCE<br>AVAILABLE | NET TAXABLE<br>INCOME | ASSISTANCE<br>AVAILABLE |
|-----------------------|-------------------------|-----------------------|-------------------------|
| \$0-2,750             | \$1,800                 | \$12,000              | \$1,115                 |
| 3,000                 | 1,785                   | 13,000                | 1,015                   |
| 4,000                 | 1,725                   | 14,000                | 915                     |
| 5,000                 | 1,665                   | 15,000                | 795                     |
| 6,000                 | 1,595                   | 16,000                | 675                     |
| 7,000                 | 1,525                   | 17,000                | 555                     |
| 8,000                 | 1,455                   | 18,000                | 415                     |
| 9,000                 | 1,375                   | 19,000                | 275                     |
| 10,000                | 1,295                   | 20,000                | 200                     |
| 11,000                | 1,215                   | over \$20,000         | 0                       |

Further information and application forms may be obtained from the New York Higher Education Services Corporation, Empire State Plaza, Tower Building, Albany, New York 12223. Information on TAP awards is subject to changes in state law.

## New York Regents College Scholarships

Each year the Regents of the University of the State of New York award scholarships to full-time degree candidates who are legal residents of New York State. These awards are based on one's performance on a competitive examination and are open to students in any approved college or university in the state. Awards are set at \$250 per year. High school students can obtain further information from their counselors. New York Regents Scholarships are not automatically renewed; recipients must reapply annually. All Regents Scholarship holders must complete a TAP application no later than November 15 of the academic year for which they are requesting payment.

## Basic Educational Opportunity Grant (BEOG)

This federal program provides grants ranging from \$200 to \$1,800 to eligible undergraduate students.

A student may apply for BEOG's by completing the appropriate section on the Financial Aid Form (FAF) of the College Scholarship Service. BEOG applicants will be notified of eligibility by a Student Eligibility Report (SER) mailed to her home by the BEOG office in Iowa City.

A student enrolling at Barnard should bring all three copies of her SER to the Office of Financial Aid whether or not she has been designated eligible for a BEOG.

Further information on BEOG and its application procedures may be obtained at the Office of Financial Aid. Information on BEOG is subject to changes in federal regulations.

# Financial Information

## **Supplemental Educational Opportunity Grant (SEOG) Program**

This federal program provides grants ranging from \$200 to \$1500 per year (\$4,000 maximum for a four-year course of study) for undergraduates of exceptional financial need. Barnard selects SEOG recipients from among those students to whom the College awards financial aid. The SEOG award is matched by a grant from the College, and/or by grants from eligible federal, state or private programs. Information on SEOG is subject to changes in federal regulations.

## **Higher Education Opportunity Program (HEOP)**

HEOP is a special program which provides grants to residents of New York State who meet the economic criteria established by the State Education Department. Eligible students must also be considered educationally disadvantaged in comparison to the average Barnard applicant. Information about academic and economic criteria can be obtained from the Office of Admissions, the Office of Financial Aid, and the HEOP Office.

## **Loan Funds**

Financial aid, in the form of student loans, is available to eligible Barnard students through the programs listed below. **Amounts received through these programs must be repaid with interest.**

## **National Direct Student Loan (NDSL)**

The NDSL program provides low interest loans to students of high need. The maximum amount which an undergraduate may borrow cannot exceed \$2500 for the first two years of attendance and \$5,000 for the four year program. Repayment of an NDSL begins nine months after the borrower graduates or leaves school for other reasons and may continue for ten years. During the repayment period the borrower will be charged three percent (3%) interest on the unpaid balance of the loan principal. Should the student pursue at least half-time undergraduate, graduate or professional study after leaving Barnard, repayment will not begin until after completion of or withdrawal from the program of advanced study. Information on NDSL is subject to changes in federal regulations.

## **Guaranteed Student Loan (GSL)**

The GSL program enables students to borrow directly from participating lenders such as banks, credit unions, or savings and loan associations in their home states. Students should consult their local banks for information and application forms.

The maximum amount which an undergraduate may borrow is \$2,500 a year. Some lenders, however, set lower limits. The total amount which a student may borrow as an undergraduate is \$7,500.

The interest rate on GSL loans is seven percent (7%) per year. An insurance premium of up to one percent (1%) per year may be collected in advance. The Federal Government pays the interest on these loans until repayment begins or during authorized periods of deferment.

All students, regardless of family income, automatically qualify for federal interest benefits.

Repayment of a loan begins between nine and twelve months after a borrower graduates or ceases **full-time** study and may continue for ten years. The amount of a borrower's payments depends upon the size of her cumulative loan, and her ability to pay, but usually amounts to at least \$360 per year. Payments may be deferred if the borrower continues **full-time** study at a graduate or professional school. A one-year deferment for a period of not more than one year is also provided for borrowers who are unable to find full-time employment. Information on GSL is subject to changes in federal regulations.



# Financial Information

## **Barnard College Loans**

The Associate Alumnae of Barnard College maintain a Student Loan Fund from which loans to seniors are made. In 1950, through a gift of \$26,000 from Mr. and Mrs. Gerald Swope and Miss Henrietta Swope, an additional fund known as the Swope Loan Fund was established. In the spring of 1960, the Barnard College Loan Fund was established by the Board of Trustees to help meet the increased need of students. In 1961, the Pauline Hirschfeld Loan Fund was established with a bequest of \$5,000 from Pauline Steinberg Hirschfeld, '08. In 1966 two new loan funds were established: the Barnard College Club of Cleveland Loan Fund with gifts of \$1,276, to be used with preference for a student from a Northeastern Ohio area; and the Ann Susan Becker Memorial Loan Fund with gifts of \$1,530 from her family. In 1968 the Adelaide Le Ciercq Loan Fund was established with a gift of \$3,000 from Adelaide M. Hart, '06, to be used with preference for a student majoring in music or French. In 1971 the Gertrude C. Hitchcock Loan Fund was established with a \$50,000 bequest of Norman S. Goetz.

These funds are administered by the Committee on Financial Aid. Loans are regularly assigned as part of a student's financial aid award. No interest is charged while the student is in college. Payments on principal may be made at any time before graduation. The remainder of the principal is repaid in semiannual installments of \$150 each after the student ceases to be in full-time attendance at Barnard. Interest is charged from the first day of the month after the student ceases to be in full-time attendance at Barnard at the rate of three percent per year on the unpaid balance.

The Morris Morgenstern Student Loan Fund of \$5,000 was established in 1959. Interest-free loans not exceeding \$250 are granted upon application to the Office of Financial Aid to any deserving undergraduates, other than freshmen, who are in need of temporary emergency assistance. Loans must be repaid within a year of date of issue.

The Tudor Foundation Student Loan Fund of \$25,000 was established in 1967. Interest-free loans not exceeding \$1,000 in any one academic year are granted upon application to the Office of Financial Aid, to mature when the student terminates her connection with the College.

## **STUDENT EMPLOYMENT**

### **College Work-Study Program (CWSP)**

This federal program provides job opportunities for financial aid recipients who wish to earn a part of their college expenses. Work-Study awards are made by the Office of Financial Aid. On-campus and off-campus jobs are arranged through the Office of Career Services, and priority is given to students demonstrating greatest need. Wages vary, but will always be equal to or greater than the minimum wage rate. Jobs usually entail 6-10 hours of work per week, with a limit of 15 hours per week during the academic year.

### **Other Employment**

In addition to Work-Study jobs, the Office of Career Services lists a variety of part-time jobs, both on and off-campus. Job opportunities are usually numerous, due to Barnard's location in New York City.







## V. Student Life

Barnard students soon discover that their classmates may also be counted among the principal resources of their undergraduate years. Cosmopolitan in nature, the student population includes residents from nearly every state and some twenty-five foreign countries as well as those who live within commuting distance. Diversity is one generalization that can be safely made about Barnard students, and a mingling of economic, regional, ethnic, and cultural groups is evident in campus life.

### **Student Government and Organizations**

During the past ten years the structure of Barnard's student government has undergone fundamental revision, culminating in the development of College Committees on which students, faculty, and administrators serve, and which recommend policy and procedural changes in the areas of curriculum, housing, financial aid, college activities, athletics, and commencement.

All Barnard students are members of the Undergraduate Association which elects a representative student government. "Undergrad" sponsors extracurricular activities and special events reflecting the range of cultural, political, pre-professional, and academic interests of the student body. These groups, which include the Pottery Co-op, Barnard Organization of Black Women, Société Française, Commuter Action Coalition, and Women in Health Careers, for example, are funded by the assessment of a student activities fee. The student newspaper, **Bulletin**, is published weekly and the **Barnard Literary Magazine** is an annual publication. Students with a variety of talents collaborate to produce Winter and Spring Festivals featuring concerts, theatre and dance performances, art exhibitions, ethnic food, and pottery and plant sales. Theatre-Goers Guild offers students the opportunity to attend professional dance, theatre, and opera in New York at reasonable prices. Students in many academic disciplines supplement coursework with department-sponsored programs, lecture series, and performances during the school year.

# Student Life

Cooperation between Barnard and Columbia groups is common. Many activities such as the University's chorus, orchestra, radio station, and community service programs enlist members from both campuses. Religious organizations and activities with headquarters on the Columbia campus in Earl Hall encompass every faith and are open to all students. For more complete information, students should consult "A Guide to Barnard," the student handbook, and inquire at either the College Activities Office or the Undergraduate Association in McIntosh Center.

The Recreation and Athletic Association sponsors many activities including intramurals, sports week, and special events. The intercollegiate athletics program, governed by the Council on Intercollegiate Athletics (CIA), sponsors varsity teams in basketball, crew, fencing, swimming, tennis, and volleyball. Varsity teams compete regularly and have advanced to Ivy League, State, Region, and National championships. Consult the Director of Athletics for further information.

Recreational facilities include a snack bar, lounge, music practice rooms, and bowling alleys in McIntosh Center; swimming pool, gym, and dance studios in Barnard Hall; and tennis courts just one block away in Riverside Park. Barnard students have access to all recreational facilities of the University as well. About thirty-five miles from New York, Barnard maintains a twenty-acre camp and lodge, Holly House, for both recreational and educational purposes. For additional information and fees, consult the Holly House Secretary, Alumnae Office, 221 Milbank Hall.

## Student Conduct

The Honor Code, instituted at Barnard in 1912, governs all aspects of academic life and is enforced by an Honor Board which has a membership of students and faculty members. A more complete explanation of the system may be found in the student handbook, "A Guide to Barnard." A Judicial Council of undergraduates, faculty, and staff, recommends disciplinary action for nonacademic offenses.

Enrollment in the College, award of academic credit, and conferring of the degree are subject to disciplinary powers vested by the Barnard Board of Trustees in appropriate officers of instruction and administration and in College Committees.

Each student who registers at Barnard agrees to maintain the honor code which provides that she will not ask for, give, or receive help in examinations or quizzes, or present oral or written work that is not entirely her own. Library regulations and independent study courses are also governed by the code.

Policies and regulations concerning student conduct on the University campus and in the College residence facilities are recommended by student, faculty, and administrative committees to the Vice President for Student Affairs, the President, and the Board of Trustees. Hearing and appeal procedures are also outlined in "A Guide to Barnard," and all decisions are subject to review and final disposition by the President.

## HOUSING

Barnard strives to maintain as diversified a housing program as possible, providing several options for resident students. These options include traditional dormitories, self-contained suite arrangements, and apartment units in college-owned buildings adjacent to the campus. In a cooperative exchange with Columbia College about 210 spaces are available for those who choose co-educational arrangements. Apartments have also been secured in several buildings off-campus which meet the standards for college-operated residences. Policies regarding eligibility for housing and manner of assignments are formulated by a college Housing and Campus Environment Committee with a membership of students, faculty, and administrators. A more complete description of each facility may be found below.



## Eligibility

The College has residence facilities for approximately half of the student population. Eligibility criteria have been established in order to assign available space on the most equitable basis. These regulations may be changed as needed at the discretion of the College, but insofar as possible the following criteria will determine eligibility:

1. A student must be registered for a full academic program. Generally, exceptions are made only for second semester seniors who need to take less than a full program to complete degree requirements or for students who have permission from the Dean of Studies to take a reduced program.
2. A student is classified as a “resident” if the principal residence of her parent or legal guardian is in the geographic area classified by the College as beyond commuting distance.
3. Any student may live off campus regardless of rank. A permission form signed by the parent or legal guardian must be on file in the Office of Residential Life for any student under 18 years of age. Whenever possible, the Office of Residential Life staff and Space Limited (see page 40) refer non-resident students to appropriate off-campus housing. Resident students who choose to withdraw from College housing lose their class priority in room drawing.
4. A “non-resident” is a student whose permanent residence is within the geographic area classified by the College as the commuting area. Students may consult an off-campus housing registry for help in obtaining accommodations near the College. Some dormitory rooms are reserved for non-residents for occasional overnight accommodation. Per diem fees are charged for these rooms.
5. A student is responsible for reporting any change in permanent address to the Registrar of the College.

## Request for Resident Status

All discretionary decisions and appeals regarding resident status will be reviewed by the College Appeals Committee, whose decisions are final and binding. Requests for housing from re-admitted students will also be determined by the College Appeals Committee.

## Assignments

Returning upperclass students are assigned rooms in college residences on the basis of a lottery and room drawing. The general order of assignment is as follows: resident upperclass students, incoming resident freshmen, readmitted resident students, resident transfer students.

## Housing Units

Brooks, Hewitt, and Reid Halls or “B-H-R” at 3001 Broadway are operated as a single complex with space for approximately 522 students. It is a supervised dormitory with a staff including a director, graduate assistants, and student residence assistants. Reid Hall is an all-female building housing primarily first year students who are assigned to double rooms. Brooks and Hewitt are predominantly upperclass dormitories. The lower floors are co-educational and the upper floors remain all-female. All students living in these halls must subscribe to the College meal plan (fifteen meals per week, Monday through Friday).

616 West 116, an apartment-style supervised residence directly across the street from the other halls, provides housing for 207 residents in suites of single and double rooms. Each suite has a kitchen and a bath. Subscription to the meal plan is optional.

Plimpton Hall, an apartment-style supervised dormitory on Amsterdam Avenue and West 121 Street, a short walk from the main campus, provides housing for 285 residents in suites of five rooms. Each suite has a kitchen and bath. Subscription to the meal plan is optional. Approximately 100 Columbia students reside there in all-male suites.

# Student Life

College-owned apartment units, 600 and 620 West 116 Street, house 202 students in supervised residences. Resident seniors have first priority for this space. Subscription to the meal plan is optional. College-leased apartment units house students in several off-campus locations.

## Married Students

Students who plan to marry during the academic year and continue in college are asked to notify the Dean of Studies. Married students, as a rule, will not be allowed to remain in the College residences. They will be subject to the financial obligations which pertain to any student who withdraws from the residence halls or from the College during the term.

## Financial Aid for Room and Board

A resident student may use the Room and Board portion of her financial aid award for college housing, or if she prefers, toward her own non-Barnard housing. No resident student ever receives more financial aid for Room and Board than the amount required to cover the costs of living and eating in college residences.

## WOLLMAN LIBRARY

The main collection of 150,000 volumes, arranged on open shelves, contains books and microforms selected to cover curricular requirements and provide opportunities for independent work in many fields. A large collection of musical and spoken records, a wide selection of periodicals and journals, and a small browsing section for popular books, records, and cassettes supplement the book collection. There are ample listening facilities for records and the reading areas contain individual study carrels. In the gallery, painting, sculpture, and drawings by Program in the Arts majors, faculty, and staff are exhibited.

Special collections in the library include the Barnard Archives, official and student publications, documents, letters, and photographs from Barnard's founding in 1889 to the present; the Alumnae Collection of fiction, poetry, nonfiction, and translations published by former Barnard students; the personal library of the Nobel Prize-winning Chilean poet, Gabriela Mistral; the Overbury Collection of 3,300 books and manuscripts by and about American women authors; and a small rare book collection containing early versions of the English Bible and representative examples of English literature in original editions from the fifteenth to the twentieth centuries.

When the College is in session the main library is open seven days a week. The Reference Department offers an instruction program to help each student develop efficient library skills and bibliographic control over her own area of study. An Audio-Visual Department provides equipment for instructional use, both in the library's studio and other locations on and off-campus.

There are two departmental libraries in addition to the main collection, the Chemistry Library in Altschul Hall and the Geology Library in Milbank Hall. Barnard students also have access to Columbia University's libraries with their 5 million books, 1 million microforms, and 57,000 periodical listings. In addition to these campus libraries, students may use the many libraries and collections in the metropolitan area, some open to the public and others accessible by special arrangement.

## THE WOMEN'S CENTER

The Women's Center was founded in 1971 in acknowledgment of the profound changes in women's lives and expectations and as a further expression of Barnard's traditional commitment to women. Today it is nationally recognized as a model for women's centers because it links all parts of the College community and extends its resources to women beyond the campus gates. Through a wide range of programs and services, the Center provides a physical and psychological meeting space for women, as well as a forum to discuss feminist concerns, both academic and nonacademic. The Center maintains an expanding resource collection of over



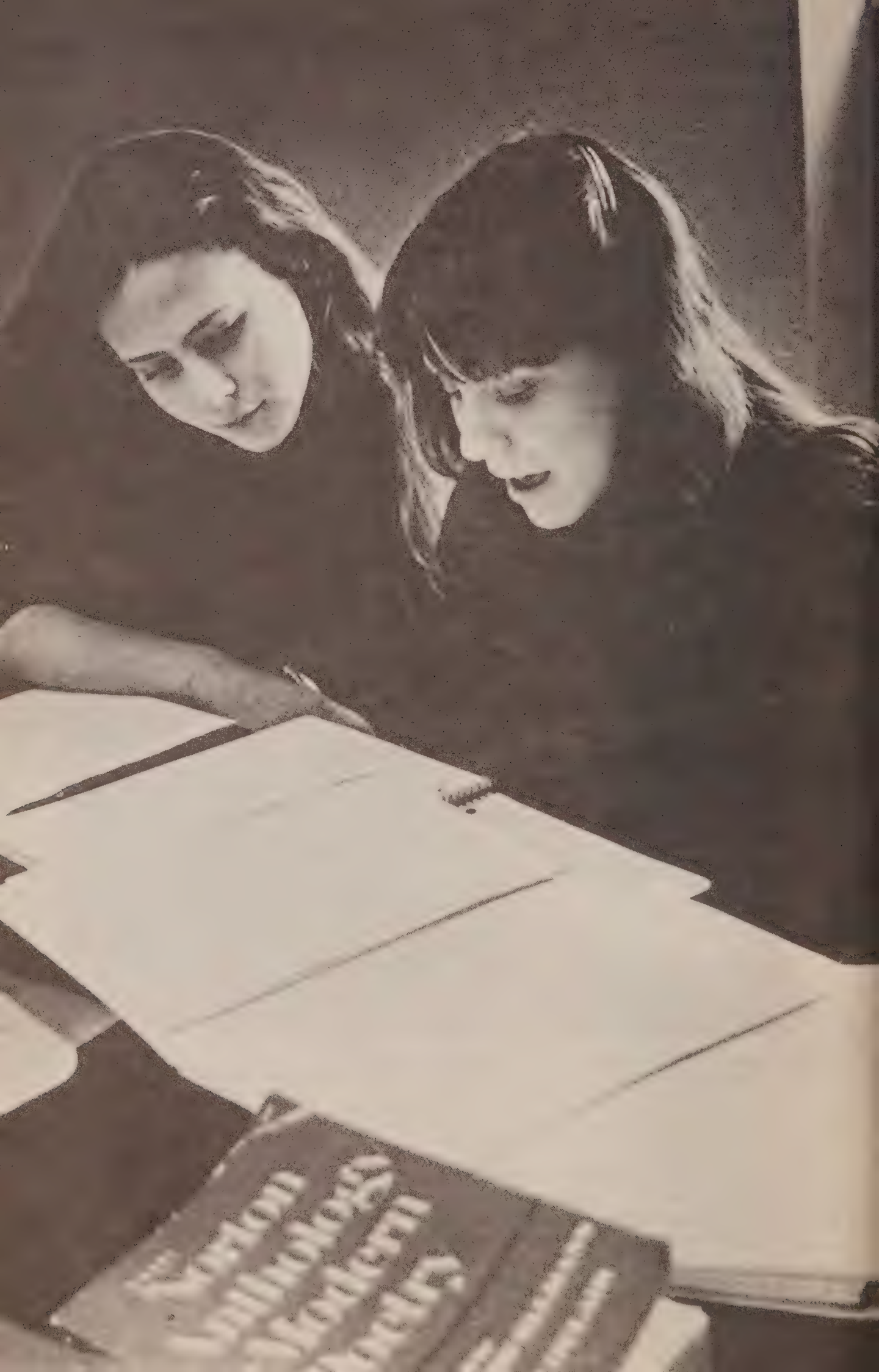
4,000 books, articles, special issues of journals, and bibliographies in addition to subscriptions to over sixty newsletters and periodicals on women's issues. It also serves as a clearinghouse of current information on women's studies programs, research on women, women's professional and activist groups, and special events for women.

An annual academic conference, **The Scholar and the Feminist**, continues inquiry into the impact of feminism on traditional scholarship. In recognition of its catalytic effect on the development of new feminist scholarship, papers and workshop presentations from **The Scholar and the Feminist** are published each year.

The Women's Center also sponsors and co-sponsors a number of other programs. The Reid Lectureship brings to Barnard distinguished women in public life and the arts who have shown a commitment to other women. A regular series of monthly luncheon meetings focuses on significant women's issues with guest speakers and discussion. Poetry readings by students, alumnae, faculty, and staff, an annual women's film and video festival with the Barnard library, and a close relationship with the Women's Studies Program all reflect the Center's integrated and connecting role at the College.

The Center is governed by a twelve-member Executive Committee composed of equal representation from students, faculty, administrators, and alumnae. Located in 100 Barnard Hall, the Women's Center is open throughout the year.







# VI. Advising and Student Services

## ACADEMIC ADVISERS

Requirements for the degree are specified on page 43. Individual questions should be directed to the appropriate adviser listed below.

### **Freshman Programs** *105 Milbank 280-2024*

After being notified of acceptance to the College, each entering freshman will receive a program form and Course Guide from the Director of Freshman Programs. The student selects courses for the fall semester and returns the completed form to the Director who, insofar as possible, schedules classes accordingly. When students arrive on campus in September, class schedules and registration materials are distributed by their class advisers.

### **Freshman Class Dean** *105 Milbank 280-2024*

The Assistant Dean of Studies and Dean for Freshmen oversees the academic advising of freshmen, directs the planning for freshman orientation with the help of a committee of upperclass students, and coordinates other special programs for freshmen. Group meetings with department chairmen and other professors are arranged periodically to facilitate the selection of majors.

### **Class Advisers** *105 Milbank 280-2024*

Assistance in planning courses of study is given by the class advisers, members of the faculty who supervise the work of freshman and sophomore students. Group meetings during freshman orientation and program-filing periods are scheduled. For individual advising, students may schedule appointments with class advisers in the Office of the Dean of Studies.

# Advising and Student Services

## **Major Advisers**

In the second semester of her sophomore year, each student chooses her major field. During her junior and senior years, her major adviser guides advanced study for the undergraduate degree and is the principal source of information on preparation for graduate school.

## **Senior Class Dean** *105 Milbank 280-2024*

While it is the student's responsibility to fulfill all degree requirements, the Assistant Dean of Studies and Dean for Seniors reviews each senior record and advises on graduation status. A senior handbook describing College policy on honors, application procedures for graduate or professional study, and deadlines for major examinations, GRE, LSAT, MCAT, and fellowship applications is sent to the McIntosh mailboxes at the beginning of the fall semester. The Assistant Dean for Seniors directs the planning for commencement with the help of class officers and the Commencement Committee.

## **Advisers to Transfer Students** *105 Milbank 280-2024*

Working in conjunction with the Director of Transfer Services in the Office of the Registrar, the Associate Dean of Studies guides academic work until major advisers are selected. Individual appointments may be arranged in the Office of the Dean of Studies.

## **Other College Degree Candidates** *105 Milbank 280-2024*

Students who enroll for classes at Barnard but who will graduate from another college must have approval from the degree-granting school for coursework to be completed at Barnard. Program-filing and registration are guided by the Assistant Dean of Studies and Dean for Seniors.

## **Foreign Student Adviser** *105 Milbank 280-2024*

Advice on situations arising from foreign student status is available in the Office of the Dean of Studies.

## **Study Abroad** *105 Milbank 280-2024*

Students who wish to study abroad for credit toward the Barnard degree are urged to secure approval before leaving the country. The Adviser for Study Abroad should be consulted in the Office of the Dean of Studies in addition to the major adviser.

## **Pre-professional Adviser** *105 Milbank 280-2024*

Students who are interested in post-baccalaureate professional training may consult the Assistant Dean of Studies and Dean for Pre-professional Students for help in programming, selection of schools, and submission of application materials. A student who plans to enter one of the health professions should register in her first or second college year in order to discuss requirements and obtain a handbook. Registration in the junior year is advisable for any student interested in law, social work, architecture, journalism, or business. The pre-professional secretary maintains recommendation files for registered students and alumnae and forwards materials required for applications.

## **Graduate School Adviser** *105 Milbank 280-2024*

Students interested in advanced study in the liberal arts and sciences or the performing arts may consult appropriate faculty members and the Dean for Seniors. A student who plans to apply to graduate school should, in her senior year, establish a file with the secretary for graduate school recommendations in the Office of the Dean of Studies.



# Advising and Student Services

## **Higher Education Opportunity Program** *104 Milbank 280-3583*

The Higher Education Opportunity Program, a support service to meet the needs of undergraduate women from backgrounds that are disadvantaged economically or academically, provides counseling, tutoring, and financial assistance. In a six week summer program, all incoming HEOP students increase their English, math, research, and public speaking skills. During the academic year, tutoring, workshops, and study groups are available in addition to academic and personal counseling.

## **Resumed Education Program** *105 Milbank 280-2024*

For advice on academic study and College services for students returning to Barnard after an absence of five years or more to complete the A.B., or for graduates redirecting their careers and exploring new interests, consult the Director of Advising and Services for Resumed Education Students in the Office of the Dean of Studies.

## **STUDENT SERVICES**

### **Office of Career Services** *11 Milbank 280-2033*

The Office of Career Services helps students and alumnae define and implement career plans. To provide this service, the Director and career advisers have designed projects enabling them to explore careers, to keep informed about current labor market trends, and to earn money to finance their education. In addition, individual counseling on careers and related concerns is available.

A newsletter published by the staff informs students about career programs and group counseling sessions. To aid students and alumnae in exploring career areas, CONTACT, a file listing over 1,400 alumnae who are available to discuss their fields, a library of vocational materials, and a collection of graduate school catalogues are housed in the Office. Workshops on specific concerns, such as resume writing and job interviews, are conducted when the College is in session.

To enable students to clarify vocational interests, the Office sponsors internships in many professional fields and occupations for a semester, the summer, or the January intersession. Interns gain work experience of a more professional level than students ordinarily can and a few students also arrange academic credit for internships through the Experimental Studies Program.

The Office, which is open twelve months a year, has contacts with many academic institutions, museums, business firms, hospitals, government agencies, libraries, and a large number of other potential employers. Students use part-time and temporary job listings for both on and off-campus jobs. The Barnard Babysitting Service, a student-run enterprise supervised by the Office, receives thousands of requests annually and provides work for many students. Recruitment for many professions is held at Columbia in the fall and spring for graduating seniors. **The Job-Seekers Newsletter** announcing full-time job opportunities is issued every two weeks and is mailed to alumnae who request it. Students and alumnae are encouraged to establish permanent recommendation files at the Office of Career Services for future employment.

### **Disabled Students** *103 Milbank 280-4634*

In 1978, Barnard established a program to provide disabled women with services which enhance their educational, pre-professional, and personal development. The Assistant Dean of Studies and Dean for Disabled Students works with other administrators and members of the faculty to assist disabled students in participating in college activities, securing financial aid, scheduling classes and examinations, and planning careers. The Committee to Meet the Needs of the Disabled works to reduce all architectural and other barriers at the College.

All buildings on the Barnard campus interconnect. Classrooms and other facilities are accessible to disabled students. Maps of the campus showing special features and access routes are available in the Office for Disabled Students.

# Advising and Student Services

## **Financial Aid 119 Milbank 280-2154**

Students who have questions or problems regarding financial aid are encouraged to make appointments with a counselor in the Office of Financial Aid. Advice is available on applying for financial aid, budgeting, and computation of financial aid awards. For more detailed information, students should consult page 24.

## **Health and Counseling Services 202 Barnard 280-2091**

The Student Health Service provides diagnosis and treatment of most chronic and all acute medical conditions. The staff is composed of a Director (an internist), an Associate Director, consultants in Adolescent Medicine, Gynecology, and Dermatology, two psychiatrists, one psychiatric counselor, and three nurses.

Complete examinations are performed for seniors in the Autumn term and sophomores in the Spring term. They are not mandatory, but are recommended and are required if health certificates are needed.

All students regardless of residence must immediately report any illness, however minor, to the Student Health Service. If a resident student wishes to have someone other than the Health Service physicians care for her, her parents should send the name and address of the doctor to the Director before registration.

Campus medical service is available to all Barnard students and is covered by the Student Health Service fee of \$133.00. This service is not available during College vacations.

Students are entitled to the following services:

- 1) an unlimited number of visits to the staff physicians;
- 2) an unlimited number of visits to the gynecologists and dermatologist;
- 3) use of the Counseling Service.

The following services are available at an additional charge; these services are covered by the Barnard Insurance Plan when ordered by Barnard staff physicians:

- 1) hospitalization at Presbyterian Hospital;
- 2) medications;
- 3) laboratory tests and x-rays;
- 4) consultations.

The following services are not provided:

- 1) home visits;
- 2) consultations when the College is not in session;
- 3) dental care;
- 4) filling of prescriptions by outside physicians.

For additional information, students are encouraged to consult **Barnard Health Service, a Student Guide** which is available at the Student Health Service. Enrollment in the Barnard Insurance Program is compulsory. For further details consult the Barnard Insurance Brochure.

## **Resident and Commuter Advisers**

As part of the student support network, upperclass students in each residence facility are designated as Resident Advisers to answer questions on campus life for resident students. Commuter Advisers are available to help non-resident students participate in all campus activities. The Commuter Advisers' Office is located in 206 McIntosh Center.

## **Space Limited 209 McIntosh 280-3095**

A student-operated referral service for off-campus housing, Space Limited is supervised by the Associate Director of Residential Life and maintains listings for a variety of accommodations.



# Advising and Student Services

## **Women's Counseling Project 107 Barnard 280-3063**

Affiliated with the Barnard Women's Center, the Women's Counseling Project is a free, confidential referral service specializing in the areas of health care, therapy, sexuality, and the law.

## **Recommendations**

Students may establish recommendation files for employment in the Office of Career Services, for graduate study with the recommendations secretary in the Office of the Dean of Studies, for professional schools with the pre-professional secretary in the Office of the Dean of Studies. Consult the appropriate office for procedures and policy.

## **Student Records and Information**

The Family Rights and Privacy Act of 1974 (the Buckley Amendment) stipulates that students may have access to their official files and that no transcripts may be issued without written requests. A further explanation may be found in "A Guide to Barnard College." Registration materials include specific information and instructions for current students.

Also in accordance with the Buckley Amendment, Barnard has the right to make public, at its discretion and without prior authorization from the students, the following information: name; class; home or college address and telephone number; major field, date and place of birth; dates of attendance at Barnard; degrees; honors and awards received, and previous school most recently attended. The law also gives students the right to place limitations on the release of this information. A student who wishes to do so must file a special form with The Registrar, 107 Milbank, each year by September 15. In practice, the College does not indiscriminately release information about individual students.









## VII. Degree Requirements

### Requirements for the A.B. Degree

Students are recommended by the Faculty of Barnard College to the Trustees of Columbia University for the degree of Bachelor of Arts, the only degree awarded to Barnard students. The degree requires the satisfactory completion of 35 semester-courses of academic work and 4 terms of physical education. As part of the 35 semester-course requirement, the student must fulfill Basic, Distribution, and Major requirements described below.

### Basic Requirements

**ENGLISH** English A. Foreign students are required to exhibit a certain degree of fluency before enrolling in English A (see page 17).

**SCIENCE** One science (two semesters), with laboratory. Acceptable courses must meet for at least three hours of lecture and three hours of laboratory per week. The student must pass both the lecture and the laboratory, and the College strongly suggests that they be taken concurrently. The following courses meet these requirements.

|                   |  |
|-------------------|--|
| Astronomy-Geology | V1044-V1045  |
| Biology           | Barnard 1-2  |
| Chemistry         | Barnard 1-2 or 1-30<br>C1403-C1404 with C1503-C1504 or with C1503-C1507<br>C1407 with C1503 or with C1507 and Barnard 30<br>F1403-F1404 with F1503-F1504 |
| Geography         | Barnard 1-2  |
| Geology           | V1021-V1022  |
| Physics           | C1021-C1022<br>F1003-F1004<br>V1003-V1004<br>V1103-V1104<br>V1305-V1306<br>W1003-W1004   |
| Psychology        | Barnard 5, 8, 17, 27, 30, 36, 56 (any two)   |

# Degree Requirements

## FOREIGN LANGUAGE

Students who wish to substitute a course sequence not given above, transfer students, and those with Advanced Placement should consult with department chairmen for guidance with respect to fulfilling the requirement.

Competence in an ancient or modern foreign language.

**Exemption** from the requirement may be obtained in following ways.

1. CEEB score of 750 or higher;
2. Chairman's decision on AP score of 4 or 5;
3. Departmental examination.

**Placement** is determined in the following ways.

1. CEEB score 650-749      level 4  
                                 550-649      level 3  
                                 400-549      level 2  
                                 below 400    level 1
2. On the basis of previous college work for transfer students, in the level following that of the last satisfactorily completed semester course. Formal withdrawal and re-enrollment without credit may be required for students who are judged by the department to be unsuitably placed and in need of additional preparation or review.
3. By departmental examination if there is no CEEB score or previous college transfer work.

**Credit** is granted on the following basis.

1. For courses satisfactorily completed in residence at Barnard or, in the case of a transfer, at her previous college.
2. No **prior** approval given for summer or transfer work undertaken as Barnard matriculant; on completion of other-college course, credit granted with departmental approval, or by examination, or on completion of next level at Barnard.
3. No duplicate credit granted for work repeated at same level.
4. No credit for the first semester of an elementary language unless a more advanced course is completed.

**Fulfillment** of this requirement is achieved by completion of the fourth sequential **semester** (or a more advanced course for which the fourth semester is prerequisite) of a course of three or more weekly hours in any foreign language. (Courses narrowly focused on conversation **or** composition **or** reading do not qualify.) It is recommended that the third and fourth semesters be completed at Barnard; elementary courses be completed in the freshman year; courses be taken consecutively without interruption; proficiency be established by the end of the junior year; re-enrollment without credit be required, whenever feasible, for students whose work in levels 1, 2, or 3 is graded D (the pass/fail option notwithstanding).

**Exception to the general guidelines** outlined above is made if the high school language of instruction was not English. Fulfillment in English is granted for foreign students who complete English A or one satisfactory year at Barnard. Fulfillment is granted in the high school language for students whose native language is English, e.g. French for alumnae of the Lycée Français.

In addition, fulfillment is granted for the following special situations. A sequence which includes Italian V1301, V1302, and one year of literature will also qualify. Completion of Spanish 6 will be sufficient for students of Hispanic background. Because of curricular differences, students who as Barnard matriculants complete the third or fourth semester of French or German outside the Barnard departments are required to take a departmental examination for placement or fulfillment.



# Degree Requirements

Most students satisfy the requirement in French, Spanish, Hebrew, German, Russian, Italian, Chinese, Latin, or ancient or modern Greek, but other languages taught in the University are also acceptable. The student who wishes to study a language not offered at any division of the University should consult the chairman of the Barnard Language and Literature Committee.

## Distribution Requirements

Completion of six-semester courses outside the major department, to be distributed among three or more of the categories below (i.e., no more than two semester courses in any single category).

- 1. FINE ARTS** Art History; Music; History or Literature; Dance 65, 66.
- 2. LITERATURE** Any literature written in the original language (i.e. not literature in translation).
- 3. OTHER HUMANITIES** Philosophy, Religion (other than history of religion courses); Oriental Humanities; Readings in the Humanities; Medieval and Renaissance Studies; Humanities C1001-C1002; Classical Literature 32, V3123.
- 4. HISTORY** History; Oriental Civilization; history of religion courses (Religion V3301, V3302, W4303, W4304, V3402, V3404, V3405, V3406, V3407, V3409, V3410, V3500, V3408, V3503, V3600, V3607, V3635, V3608); American Studies; European Studies 2.
- 5. OTHER SOCIAL SCIENCES** Anthropology; Economics; Geography; Health and Society; Political Science; Linguistics; Sociology.
- 6. MATHEMATICS**

## Major Requirements

The number of required semester courses for the major depends on the major chosen (see individual department curriculum statements).

The student registers her chosen major with the Office of the Registrar normally in the second term of the sophomore year. The major may be chosen from any listed in the Barnard Catalogue. A student may major in two fields by satisfying all the major requirements prescribed by each department, with no overlapping of courses. If either of the fields qualifies for the Distribution Requirement, two of the courses in one field may count toward that requirement. A combined or a special major may be designed in consultation with the chairman of the appropriate departments and with the approval of the Committee on Programs and Academic Standing.

## Electives

Apart from fulfilling the Basic, Distribution, and Major requirements, the student completes the remainder of the 35 semester-course requirement with elective courses, either within or outside the major department, subject to the approval of the appropriate adviser.

## Physical Education Requirement

Four terms of physical education are required, with two semester-courses to be taken in the freshman year and two additional semester-courses during the years following. Sophomore transfers are required to complete **two** semester-courses of physical education at Barnard. The physical education requirement is in addition to the 35 academic semester-course requirement, and is graded on a pass-fail basis.

# Degree Requirements

## Length of Residence

Students are expected to be registered full-time for four years. Transfer students must complete at least eighteen semester-courses and two years in residence at Barnard to receive the degree (see below for additional information). Under certain conditions, it is possible for a student to complete her work for the degree while registered **in absentia**, with the permission of the Committee on Programs and Academic Standing.

## Requirements for Transfer Students

Courses completed at other accredited colleges and universities may be submitted for transfer credit. Transfer courses are evaluated after a complete transcript is received in the Office of the Registrar, and the student is notified of the evaluation by mail. Transfer students are asked to submit catalogues and course descriptions with their requests for transfer credit.

Credit for approved work at another institution is applied to Barnard's 35-course graduation requirement in proportion to progress toward the degree at the previous institution. Credit cannot be granted for courses with grades lower than C minus. Acceptable transfer work does not usually include applied or professional courses or more than the equivalent of two Barnard studio courses. The first term of an elementary language course is not credited unless or until a second term has been satisfactorily completed. Summer work is not included in initial credit estimates. Transfer students may apply for credit for previous summer courses under the regulations governing Summer Study (see page 50).

To receive the A.B. degree at Barnard, a transfer student must attend Barnard for at least four regular academic terms and must complete at least six courses in the major field (and three in the minor field, if a minor is elected). Additional major (and minor) courses, as well as basic and distribution requirements, may be satisfied by transfer courses. Exemption from the foreign language requirement may be attained on the basis of College Entrance Examination Board scores alone or by a combination of those scores and additional college work. Those who do not receive exemption must complete the normal language requirement (see page 44). Transfer students are eligible for Honors when both overall and Barnard averages meet the required academic standards.

## Classification of Students

Students are classified as follows:

### MATRICULATED:

FRESHMAN  
SOPHOMORE  
JUNIOR  
SENIOR  
UNCLASSIFIED

### Courses completed

fewer than 7  
7 - 14  
15 - 24  
25 or more  
Transfer students who have not yet been assigned credit

### NONMATRICULATED:

Other college degree candidates  
Barnard alumnae auditing courses  
Any other student who is not a degree candidate  
Barnard alumnae taking courses for credit

A degree candidate (i.e., student who is matriculated) may not change her status to nonmatriculated.



# Degree Requirements

## Filing of Diploma Name Cards

The Diploma Name Card, available at the Office of the Registrar, is the student's official notification to the Registrar that she expects to have completed all requirements for the degree and to receive the diploma on a particular graduation date. Degrees are granted in May, October and January. The filing of the card sets in motion the processing of the student's academic records in preparation for graduation. It is the student's responsibility to file the Diploma Name Card before published deadlines (see College Calendar, page 6). Graduation ceremonies are held in January and May.







## VIII. Other Curricular Opportunities

### **Minor**

The selection of a minor field of study is optional, requires at least five courses, and may be designated by any student having a single major after completing a minimum of three courses in the minor field. Requirements depend on the minor chosen (see individual department curriculum statements); courses are selected in consultation with the department chairman. Two of the courses taken for the minor may be used to fulfill the distribution requirement if the field selected is within one of the six that qualify for the requirement.

### **Senior Scholar Program**

The Barnard Senior Scholar Program allows a qualified student to undertake a single project for the entire senior year, or for one semester of the senior year (normally the second). The Program is intended for the student who is unusually well prepared in an academic discipline or in one of the performing arts. It offers the special advantages of concentration on one project, designation as “Senior Scholar” on the permanent transcript, and the amendment of some major requirements. Senior Scholars are allowed credit for no more than 9 semester courses and are eligible for Honors. In the past, Barnard Senior Scholars have gained approval for a wide range of proposals, including writing projects, government internships and research, and art projects.

A qualified student interested in the Senior Scholar Program should consult the Senior Class Dean, who is Coordinator of the Program, in her junior year. Before the beginning of the senior year, the student should have completed all basic and distribution requirements for the A.B. degree. The student’s written application for the Senior Scholar Program is submitted to the Committee on Instruction by the Coordinator and is subject to the approval of the Committee. The deadline for application appears in the College Calendar (see page 6).

For financial assistance in carrying out the project, the student may apply separately for a student research grant.

# Other Curricular Opportunities

## Credit for Summer Study

Students are expected to complete the work for the degree in eight academic terms. Because Barnard does not offer courses during the summer, the granting of course credit for summer courses taken at other accredited institutions is treated as transfer credit, with some additional regulations. The maximum number of courses that can be credited toward the degree for **course credit** is four, subject to the approval of the Committee on Programs and Academic Standing. Although students cannot receive course credit for more than four summer courses, they can be **exempted from** or **placed out of** degree requirements with additional summer courses, subject to the approval of the Committee on Programs and Academic Standing, and in some cases, subject to satisfactory performance on a Barnard Placement Examination. The full regulations on credit for summer study are available at the Office of the Registrar and are listed on the Application for Approval of Summer Session Courses. The student may find out in advance whether the courses she wishes to take in summer school meet the approval of the Committee on Programs and Academic Standing by completing the form and submitting it to the Office of the Registrar well before the end of the spring semester. The application may also be retroactive. The student is advised to consult the application for the full regulations, some of which are listed below:

1. No more than two one-semester courses may be counted for one summer session.
2. To be eligible for credit, courses normally must be of six-weeks (or more) duration, and 3 points (or more).
3. To be eligible for credit toward the degree the student must receive a grade of C or better. P (Pass) is not acceptable.
4. **Grades** for courses taken in summer school are **Not Included in the Cumulative Grade Point Average**.

## Study Abroad

Several options for study abroad are available to Barnard students.

Under the auspices of **Reid Hall in Paris**, several semester-long and full-year programs are offered. Semester-long Institutes include intermediate and advanced courses in French language, literature, and civilization; fine arts and architecture; and sociology and ethnography of French society and culture. The year-long program combines classes in the French university system with research directed by a scholar in the student's chosen field. The majority of applicants to Reid Hall are not French majors, but a strong background in French is required for year-long programs. Further information may be obtained from the chairman of the French Department or in the Office of the Dean of Studies.

Barnard participates in the program of the Intercollegiate Center for Classical Studies in Rome. Students who have completed at least four semesters of Latin above the elementary course, and at least one semester of elementary Greek, are eligible to apply for admission to the program of the Rome Center for one or two semesters, preferably in the junior year. Courses taken at the Rome Center may be counted toward the major and, in some cases, toward the fulfillment of the distribution requirements.

Barnard College is a Supporting Institution of the American School of Classical Studies at Athens and the American Academy in Rome, and certain privileges of those schools are available, without fee, to graduates of the College.

Course credit for courses taken at institutions abroad is treated as transfer credit (see page 46).

## Study at Jewish Theological Seminary

The Jewish Theological Seminary of America, located two blocks from the Barnard campus, offers opportunities to Barnard students for specialized study under a cooperative arrangement. Students may enroll in courses at the Seminary under any of three options: (1) individual courses; (2) a year's study in residence at the Seminary; or (3) a double degree program.



# Other Curricular Opportunities

A student wishing to study at the Seminary should consult her adviser and obtain the written permission of her major department chairman. Courses taken at the Jewish Theological Seminary are evaluated as transfer credit (see page 56 for rules on transfer credit). Students who wish to obtain simultaneously the degree of Bachelor of Arts from Barnard and Bachelor of Hebrew Literature from the Seminary must consult advisers in both institutions, and must be separately admitted to each.

Qualified Barnard students may request housing at the Seminary. Students who enroll in the Seminary College will be subject to Seminary tuition charges. Seminary College students may also apply to the Barnard Admissions Office to become special students or to fulfill the requirements for the A.B. degree at Barnard.

## Double and Joint Degree Opportunities

Barnard offers double and joint degrees in coordination with other schools in the University system, including the School of International Affairs, School of Engineering, and Law School. Details on specific programs are given below.

### School of International Affairs. Master of Arts in International Affairs

Barnard College and the School of International Affairs offer a joint program leading to the A.B. degree at the end of four years and the Master of Arts in International Affairs (M.I.A.) after one additional year.

Application to this program is made in the junior year, although it is advisable to consult an adviser at Barnard College and one at the School of International Affairs as early as possible to plan a suitable program. Admission to the joint program does not constitute automatic admission to the School of International Affairs. The student in the program will apply for admission to the School of International Affairs in the fall semester of her senior year. Among other criteria, final admission depends upon the applicant's receiving the A.B. degree from Barnard with an approximate 3.5 grade point average.

A Barnard student in the program must satisfy all basic, distribution, and major requirements for the A.B. degree at Barnard. Courses in the School of International Affairs may be used to fulfill major requirements only with the written permission of the chairman of the department in which the student is majoring.

A Barnard student admitted to the program is required to take Economics 27 and 28 or their equivalents by the end of the junior year, if possible, and in the junior and/or senior years, four courses from the core curriculum of the School of International Affairs. In the fifth year of the program, a student takes 30 credits of course work at the School of International Affairs and completes other requirements as set forth by the School.

Further information may be obtained from the Bulletin of the School of International Affairs and from the Office of the Dean of Studies at Barnard.

### Master of Public Administration

Barnard College and the Graduate Program in Public Affairs and Administration offer a joint degree program leading to the A.B. degree at the end of four years and the Master of Public Administration (M.P.A.) after one additional year.

Although application to the program is made in the junior year, it is advisable to consult the Program Director, Professor Demetrios Caraley, 408 Lehman, as early as the sophomore year to plan an appropriate undergraduate program. Admission to the joint program does not constitute automatic admission to the Graduate Program in Public Affairs and Administration. The student in the joint program applies for admission to the Graduate Program in the Autumn Term of her senior year. Final admission is conditional upon the applicant's receiving the A.B. degree from Barnard with an approximate grade point average of 3.5.

# Other Curricular Opportunities

A Barnard student in the joint program must satisfy all basic, distribution, and major requirements for the A.B. degree at Barnard. Courses in the Graduate Program may be used to fulfill major requirements only with the written consent of the chairman of the department in which the student is majoring. Political Science G4241, *Political Setting of Public Administration*; Political Science G8232, *Colloquium on Urban Politics, Policy-Making and Administration*; Public Affairs U8201, *Colloquium on Policy Analysis*; and Public Affairs U6310-U6311, *Quantitative Techniques in Policy Analysis and Public Administration*, or Political Science G4910, *Principles of Quantitative Political Research* constitute a six-course core which must be completed by the end of the fourth year. Courses in economic analysis such as Economics W4801, *Economic Setting for Public Policy-Making*; Economics 34, *Intermediate Economic Theory*; or Economics W3861, *Taxation and Government Expenditures* and Economics W3862, *Government Budgeting, Public Debt, Intergovernmental Relations, and Fiscal Policy* are strongly recommended. An internship, usually during the summer between the fourth and fifth year, is also required. In the fifth year of the program, a student satisfies at least 30 course credits including specialization requirements.

Further information may be obtained from the Program Director or in the Office of the Dean of Studies.

## Law School

Applications are available for a small number of Barnard students to attend the Law School after the third year of course work at Barnard, under the Accelerated Program in Interdisciplinary Legal Education (A.I.L.E.). All course work completed at the Law School is credited toward the law degree, and Barnard accepts a portion of it toward the A.B. degree. The students must have fulfilled the graduation requirements for Barnard by the time they receive their law degree.

Further information about the A.I.L.E. program is available from the Assistant Dean for Pre-professional Students in the Dean of Studies Office.

## School of Engineering

The School of Engineering and Applied Science and Barnard College offer undergraduate programs in the professional branches of engineering and in the applied sciences under a cooperative program.

The first three years of the five-year program leading to the degrees of Bachelor of Arts and Bachelor of Science are spent under the jurisdiction of Barnard College, and a few courses are taken in the Engineering School. During the junior year the student applies for admission to the School of Engineering and Applied Science, where the remaining two years of more specialized engineering study are taken.

It is also possible to follow a four-year program which leads only to the Bachelor of Science degree. Two years of pre-engineering subjects are taken at Barnard, after which the student applies for admission to the School of Engineering and Applied Sciences. The remaining two years of engineering study are completed there.

In addition to the general admission requirements, course work in mathematics through trigonometry, physics, and chemistry is desirable for entering students interested in engineering or applied science. Details on specific entrance requirements are available from the Office of Admissions of the School of Engineering and Applied Science.

Further information about the engineering program and the advanced degrees may be obtained in the Bulletin of the School.



# Other Curricular Opportunities

## AUDITING

### **Student Auditing**

Matriculated students may audit courses in special instances by arrangement with the instructor. Permission to audit a course is granted at the instructor's discretion. Courses audited do not appear on the student's transcript; they are not graded; and they may not be subsequently converted to credit courses.

### **Alumnae Auditing**

Many Barnard courses are open to alumnae for auditing. No credit is given and no charge is made. The only requirement is that permission of the instructor must be obtained. Those interested in this program should contact the Alumnae Office and request a copy of the current catalogue and information about procedures.







# IX. Registration

## REGISTRATION PROCEDURES

### Registration for New and Continuing Students

Instructions and materials for registration, enclosed in individual packets, are available to students in McIntosh Center on the days designated for registration.

Students are expected to register during the registration times published in the College Calendar, page 6. Permission to register may be refused to students who do not observe the deadline for registration, and a late fee (see page 22), which increases with the number of days elapsed from the registration deadline, will be charged those who register late.

Bills for tuition and fees (see page 21) are mailed before the beginning of the semester, and payment must be received by the deadline published in the College Calendar, page 6. In addition, any outstanding debts to the College, including library fines, must be paid before the student may register.

The final stage of the registration process is program filing (see page 56), which must be completed by the published deadline (see College Calendar, page 6). The filing of the program form completes the registration process.

### Registration for Resumed Education Students

Resumed education students are those Barnard students who have been away from the College for five years or more and are returning to complete the A.B. degree requirements and those Barnard graduates who are returning to the College to take additional course work. They obtain their registration information and materials from the Director of Advising and Services for Resumed Education Students in the Dean of Studies Office during the regular registration period (see College Calendar, page 6). The Director of Advising and Services for Resumed Education advises resumed education students on their academic programs and assists in the registration process. Resumed education students are subject to regular registration deadlines and payment of late registration fees.

# Registration

## Registration for Columbia University Courses

Many courses offered in other divisions of the University are open to qualified Barnard students; those cross-listed in the Barnard Catalogue do not need special approval. Courses **not** cross-listed in the Barnard Catalogue may require divisional or instructor's approval in addition to the approval of the student's academic adviser. Columbia University courses are entered on the Barnard program; specific instructions are enclosed in the registration packet. The student is expected to have reviewed the course description and prerequisites before consulting an adviser, to determine for herself whether she is eligible to enroll.

Only students enrolled in the Education Program are eligible to take the Teachers College courses cross-listed in the Catalogue. All Teachers College courses which are **not** cross-listed require approval of the Committee on Programs and Academic Standing by submission of a petition form during the first week of the term, and also require payment of additional Teachers College fees. Normally, courses offered by other divisions of the University may be used to satisfy the Barnard requirements for the degree only if they are credited with 3 or more points. Exceptions to this regulation include applied music activities which carry partial course credit and which may involve extra charges, and approved laboratory science courses.

## STUDENT PROGRAMS

### Program Filing

The list of courses for which the student is registered each semester is known as the student's **program**.

New freshmen and transfer students receive program forms with their registration and orientation materials. Continuing students file tentative programs the previous semester, which are then returned to them for completion with their registration materials. Additional forms are available at the Office of the Registrar.

After consultation with her academic adviser, the student files her completed program, signed by her academic adviser, at the Office of the Registrar before the published deadline. Note: the deadline for submission of programs is separate from, and somewhat later than, the registration deadline (see College Calendar, page 6). A fee is charged for programs filed late (see page 22).

### Schedule of Classes and Room Assignments

Class times and room numbers are published in the **Schedule of Classes and Room Assignments**, available at the Office of the Registrar during registration. Late changes in registration information are printed separately and are also available at the Office of the Registrar. Final information on changes in class times and rooms is posted on the blackboard near the entrance to Milbank Hall.

### Sign-Up Sheets

Enrollment in certain courses is strictly limited and students are encouraged to indicate their intent to enroll in those courses well before registration by entering their names on "sign-up" sheets which are posted outside departmental offices and which list criteria for course enrollment.

### Section Changes

A change from one section to another of a course after program-filing requires the approval of the instructor of the new section and the class adviser on the appropriate form to be submitted to the Office of the Registrar. Prior to program-filing the change should be made on the program form itself with departmental approval.



## **Adding Courses**

Courses may not be added after the deadline for filing academic programs (see College Calendar, page 6). Up to that deadline, the student may add courses either on the program form, if she has not already submitted it, or by an add form, available at the Office of the Registrar. Adding a course requires the signatures on either the program or add form of the class adviser and the major adviser.

## **Dropping Courses**

Courses may be dropped by submission of an Application to Drop a Course or Section, available at the Office of the Registrar. The form requires the signature of the class and the major adviser, and must be returned to the Office of the Registrar before the deadline published in the College Calendar (see page 6). Courses dropped before the deadline will not be recorded on the permanent transcript. After the deadline, a course may be dropped only with the approval of the Committee on Programs and Academic Standing; in this case, the course appears on the permanent transcript with the notation **W** (Withdrawal).

## **Attendance**

Students are expected to attend classes regularly. Frequent or prolonged absences from classes may cause a student to forfeit the right to complete course work or to take final examinations.

A prolonged or serious illness is considered an excuse for absence only if the student files a statement signed by her physician with the Office of Health Services immediately upon her return to a regular attendance schedule.

Barnard is a non-denominational college which does not schedule religious holidays in the academic calendar, although every effort is made to avoid the dates of major religious observances in the scheduling of class meetings, deadlines, and examinations. It is expected that students who miss classes due to observance of religious holidays will make individual arrangements with their instructors to make up any work missed as a result of absence.

## **Withdrawal During the Term**

A student not subject to discipline for infraction of College rules may withdraw from the College during the semester by submitting a Notice of Intention to Withdraw form (blue copy) to the Office of the Dean of Studies with the signature of the parent or guardian before the final examination. If the student withdraws during the semester without submitting the proper notification, the term's work is subject to a grade of **WF**. For information on partial refund of tuition, see page 24.

## **Withdrawal Between Terms and Readmission**

A student who plans to withdraw from the College after the completion of the semester should file a Notice of Intention to Withdraw form (white copy) with the Office of the Dean of Studies.

A student in good health who leaves with her record complete and who is in good standing may re-register within one year of the date of withdrawal without reapplying through the Office of Admissions. No readmission fee is charged a student who submits a written confirmation of her intention to return to the Office of the Dean of Studies by April 1 for the Autumn term or November 15 for the Spring term. After an absence of one year a student must file readmission forms through the Office of Admissions and pay readmission fees (see page 18).

## **Exceptions to College Regulations**

Requests by students for exceptions to college regulations governing the award of academic credit and requirements for the degree may be addressed to the Faculty Committee on Programs and Academic Standing. Petition forms are available at the Office of the Registrar and should be returned there. Requests which bear the appropriate signatures of advisers and instructors normally receive consideration within two weeks of their submission.







# X. Examinations

## **Language Placement Examinations**

The foreign language requirement can be met by completing the required courses at Barnard (for individual languages see departmental curriculum statements), or by a College Entrance Examination Board (CEEB) score of 750 or above, or, for transfer students, by having completed acceptable qualifying language courses.

## **Transfer Students**

A transfer student who has a CEEB score is placed according to that score alone, if she has had no previous college language courses. The determination is made by the Director of Transfer Services, according to the provisions of an established scale. A transfer student who has no CEEB score or previous college language courses, must, if she wishes to continue with a particular language, take a placement test. Transfer students who are not required to take an examination are notified of language placement along with the evaluation of their transfer credits.

## **Freshman Students**

Freshman students are placed (or exempted) on the basis of their CEEB scores. Those with no scores who wish to continue languages studied in high school take placement examinations. The Freshman Program Director advises all new freshmen of their language requirement.

## **Summer School Language Courses**

Students, other than incoming transfer or freshmen students, who take summer language courses and wish exemption or placement in their continuing language studies must take a language placement examination, or secure departmental approval to receive degree credit and enter a higher level.

# Examinations

Any student who has been placed according to her CEEB score may take a placement examination if she wishes, but she must then accept that placement, even if it is lower than her previous placement.

A student who does not wish to continue with a language in which she has been placed may begin the study of a new language.

Applications for Language Placement Examinations are available at the Office of the Registrar; the examination dates are published in the College Calendar, page 6. The examinations are evaluated and placement is made by the appropriate departments. Results are posted at the Office of the Registrar.

## **Departmental Placement Examinations**

Students may obtain exemption from or placement in certain courses by means of departmental placement examinations, for example in the Mathematics and Physics departments. Information and applications for the examinations are available in departmental offices, and deadlines are particular to each department.

## **Make-Up Examinations During the Semester**

Instructors are not required to give make-up examinations to students absent from previously announced tests during the term. An instructor who is willing to give a make-up test may request a report of illness from the College physician or acceptable evidence of other extenuating circumstances.

## **Final Examinations**

There are no class meetings on the last class day before the final examination period in each term. This interval may be extended for any class, at the option of the instructor, to the full week prior to the examination period. The dates for final examinations, given at the end of each semester, are published in the College Calendar, page 6. Exact times and room numbers for individual examinations are posted on the bulletin board at the Office of the Registrar the week before final examinations.

## **Deferred Final Examinations**

Deferred final examinations for Barnard courses, given in September and February (see College Calendar, page 6), are open only to those students whose work is satisfactory and who were absent from the regular examinations for reasons of illness or emergency. Exceptions to these conditions can be made only by petition to the Committee on Programs and Academic Standing before the regular examination period begins.

Absence from final exams for reasons of health should be reported to the Office of Health Services in person or by telephone on the day of the examination.

Examinations missed in December are to be taken the following February or, in cases of prolonged illness, in September of the same year. Those missed in May are to be taken in September of the same year. If a student absents herself without a compelling and valid excuse from a final or deferred examination, she will receive a grade of zero for that examination. Applications for deferred examinations are filed with the Office of the Registrar by designated dates (see College Calendar, page 6). A payment of a \$15 handling fee for each examination must accompany the application.

Arrangements for deferred examinations in other divisions of the University must be made by the student with the instructors, and should be completed during the term following registration for the course.



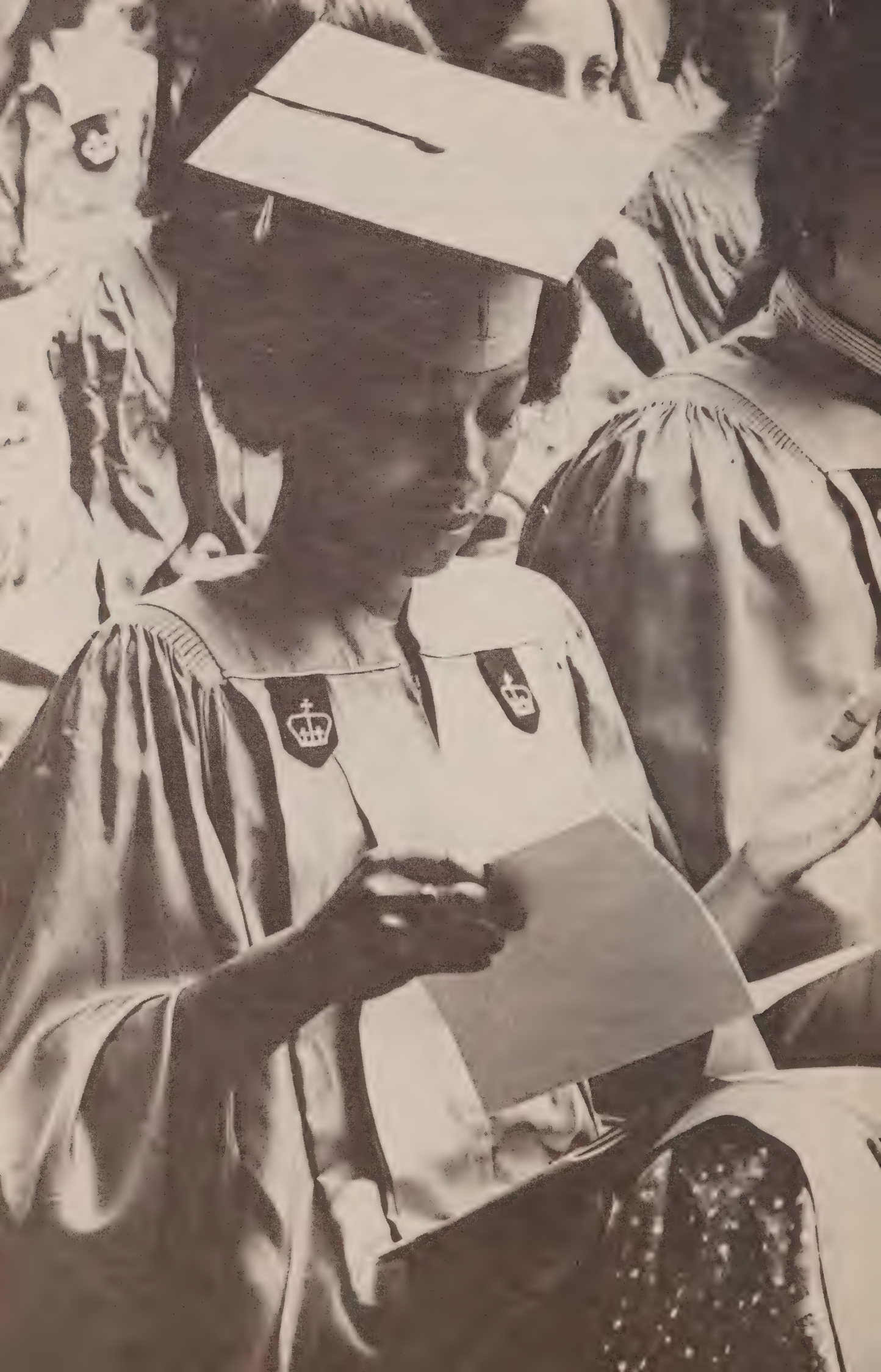
## **Examinations for Disabled Students**

Individual arrangements are made for disabled students unable to take examinations in the usual manner. A disabled student who anticipates the need for a special examination procedure should consult her instructor(s) and the Assistant Dean for Disabled Students at the beginning of the semester.

## **SAT, URE, GRE, and LSAT Examinations**

Information and application forms for the Scholastic Aptitude Examination, the Undergraduate Record Examination, the Graduate Record Examination, the Law School Admissions Test, and other specialized examinations are available in the Office of the Dean of Studies. Undergraduate and Graduate Record Examinations are scheduled twice a year at Barnard for graduating seniors (see College Calendar for dates, page 6) in addition to the regular testing dates at Columbia University.







# XI. Grading and Academic Honors

## Grading System

Academic standing and eligibility for graduation are determined by both the number of courses completed and the grades for those courses. The system used at Barnard is as follows:

- A                      Excellent
- A–
- B+
- B      Good
- B–
- C+
- C      Satisfactory
- C–
- D      Poor
- F      Failure
- P      Passed without a specific grade
- I      Incomplete
- X      Absence from final examination
- NC    No credit
- Y      Two-semester course in which the grade for the second semester is the grade for the entire course
- W      Approved withdrawal after “drop” deadline
- WF    Withdrawal from course without formal notification to Registrar (considered equivalent to F)

# Grading and Academic Honors

Pass-fail grades are recorded for all students in certain courses, e.g., in physical education. Pass-fail grades for individual students are subjects to regulations described below.

Regulations that apply to grades of I (Incomplete) are outlined on page 65.

Grades of I or X will be changed to NC (no credit) if the missing work is not submitted and the portion of the course work that had been completed was passing; if the work completed was not passing, the grade will be changed to F.

In the computation of grade point averages, marks for courses are awarded points on the following scale:

|    |       |
|----|-------|
| A  | = 4   |
| A- | = 3.7 |
| B+ | = 3.3 |
| B  | = 3   |
| B- | = 2.7 |
| C+ | = 2.3 |
| C  | = 2   |
| D  | = 1   |
| F  | = 0   |

In order to be recommended for the degree, a student must maintain a cumulative average of 2.0 (C) for 35 or more courses completed with grades of D or above. At the end of each term all records are examined. Normally only those students with cumulative averages of 2.0 or above are permitted to remain in college. Students whose work falls below the cumulative average of 2.0 may be permitted to continue at Barnard only with the permission of the Committee on Programs and Academic Standing.

Courses in which the student receives the grade of D may not be counted toward the major requirement.

## Grade Reports

Grade reports are sent out at the end of the Autumn semester to the student's local address. At the end of the Spring semester, a cumulative grade report of all the student's work at Barnard is sent to the home address. The cumulative grade report is an unofficial transcript for which there is no charge. If the student wishes additional unofficial transcripts a charge of \$2 per copy will apply (see Transcripts, page 65).

## Pass-Fail Option

A student may request a course to be graded under the pass-fail option by submitting a Request for Pass-Fail form to the Office of the Registrar before the deadline published in the College Calendar, page 6. The forms are available at the Office of the Registrar about two weeks before the deadline. Under the pass-fail option the student is held responsible for fulfilling all the course requirements. A passing letter grade (A, B, C, or D) reported by the instructor is converted to P by the Office of the Registrar.

Some courses record pass-fail grades for all students enrolled, e.g., physical education.

At least 29 of the 35 courses required for graduation must be assigned letter grades, including all courses designated to count toward the major (and minor, if the student has designated a minor). The pass-fail option does not apply to these courses.

No limitation is placed on the number of pass-fail grades which may be recorded in a single term, except those rules which apply to the Dean's List and to eligibility for financial aid.

Grades of P are not included in the grade point average. A grade of F received under a pass-fail option is computed as zero in the grade point average.

The request for a course to be graded under the pass-fail option is **irreversible**. Subsequent change to a letter grade will not be allowed.



# Grading and Academic Honors

## Incompletes

A student may arrange to take a grade of I (Incomplete) by means of written approval on forms available at the Office of the Registrar. The deadline for filing the Application for Incompletes is the date set by the Office of the Registrar for the instructor to turn in the grades for the course, posted with the Final Examination Schedule toward the end of the semester at the Office of the Registrar.

There are two Incomplete options. The “early incomplete” requires submission of unfinished work soon after the end of the term by the date designated in the College Calendar and results in the removal of the “I” notation from the transcript. The second option allows up to one year for completion of course requirements, but the “I” notation remains on the permanent transcript and is joined by the final letter grade. The full regulations that apply to Incompletes are listed on the Application for Incompletes form available at the Office of the Registrar. Students who have the permission of their instructors to take grades of Incomplete are strongly encouraged to use the form, which is a written guarantee of the terms set forth in it by the student and the instructor.

## Dean’s List

A Dean’s List, which contains the names of students who deserve special mention for superior scholarship, is compiled at the end of each academic year. Eligibility is based on all the letter grades, a minimum of three in each term, exclusive of those courses receiving grades of P.

## Transcripts

Transcripts are ordered by the student or alumna by written request to the Transcript secretary in the Office of the Registrar. An official Transcript Request Form is available, but the request may also be made by letter, provided that the letter includes the following information: student’s name (including maiden and married names), dates of attendance at Barnard, purpose of the transcript, number of copies desired, specification as to whether the transcript should or should not be delayed until the latest semester’s grades have been entered, name(s) and address(es) to which the transcript is to be sent, the student’s full signature, and a \$2 check or money order for each transcript ordered. Official copies of transcripts (those bearing the seal of the College) can be sent only to academic institutions, business organizations, and government offices. Unofficial copies of transcripts may be sent to the student. All copies of transcripts, official and unofficial, are sent only at the written request of students, and all are subject to the \$2 fee.

## Honors

The Faculty awards honors to students who complete work for the degree with distinction (cum laude), with high distinction (magna cum laude), and with highest distinction (summa cum laude). Students whose records include study at other institutions will be eligible for honors if both the overall and the Barnard grade point averages meet this requirement. Departmental honors are awarded to a percentage of eligible graduates who are nominated by their departments for distinguished work in their major fields. The final selection is made by the Committee on Honors.

## Phi Beta Kappa

The Barnard section of the Columbia University chapter of Phi Beta Kappa was founded in 1901. Election to the national honor society is a recognition of scholarship, and Barnard students of exceptionally high standing are eligible. For students under the 35-course plan, eligibility for election as a junior will require twenty-five completed courses, and as a senior, thirty completed courses. Questions concerning Phi Beta Kappa should be referred to the Office of the Dean of Studies.





## **XII. Courses of Instruction**

### **The Curriculum**

A liberal arts education at Barnard is composed of a broad distribution of requirements with intensive study in a departmental or interdisciplinary major. The curriculum is revised from time to time within the traditions of the liberal arts and in recognition of the growth of knowledge. At present, twenty-five departments and eight interdisciplinary programs offer majors, and students may also elect minors if they choose. The College reserves the right to withdraw or modify any course or program or to change the instructors as may be necessary. All academic programs listed are planned for 1980-1981, but their listing in this catalogue is not a guarantee of their availability in subsequent years.

### **Classes**

The usual schedule is four or five courses each semester, but depending on a student's interests or departmental requirements, additional courses may be added. However, a fee of is charged for a sixth academic course. Classes vary in size. Those in which student participation is important are small. Introductory courses and classes taught primarily by the lecture method are often divided into smaller groups for conference and discussion. Laboratory work in the sciences is conducted with the most modern equipment, and computer facilities are available at Columbia.

### **Courses of Instruction**

Course descriptions will be found in the following pages. Room assignments and all other registration information such as computer sequence numbers are published in a separate bulletin and distributed during registration.

Autumn term courses are followed by an **x**; Spring term courses are followed by a **y**.

# Courses of Instruction

Indivisible **Barnard** courses which run throughout the year are marked with a hyphen between the numerals (e.g., Music 1x-2y). No credit is given for work in an indivisible course dropped at midyear without the written consent of the instructor and department chairman and the approval of the Committee on Programs and Academic Standing.

Divisible Barnard courses which run through the year are marked with a comma between the numerals (e.g., Geography 1x, 2y). The first half of such courses may be taken separately. Admission to the second half without completion of the first half is granted only with written permission of the instructor. Certain courses are offered in both Autumn and Spring semesters (Economics 1x, 1y) and may be taken in either semester. One course credit is given for such courses.

The following alphabetical prefixes designate the division of the university for whose students the course is primarily offered or indicate joint courses. Hyphens and commas between these course numbers do not necessarily have the connotations described above for Barnard courses.

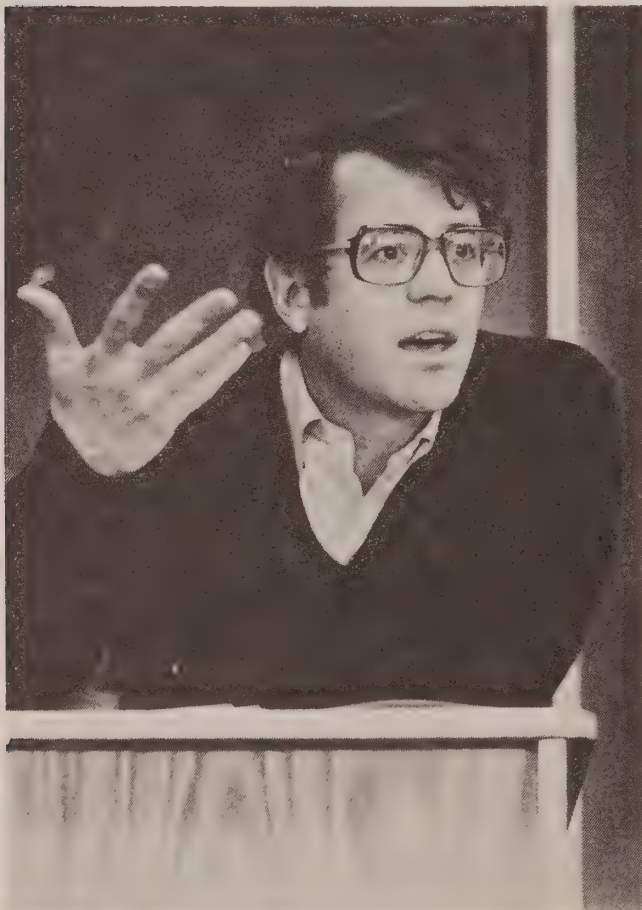
- C — Columbia College
- F — School of General Studies
- G — Graduate School of Arts and Sciences
- R — School of the Arts
- V — Joint undergraduate course (Barnard with Columbia College and/or the School of General Studies)
- W — Other inter-faculty course

The level of the course is generally as follows:

1000-3999 Undergraduate

4000-4999 Advanced undergraduate and first-year graduate

5000-8999 Graduate, normally not open to undergraduates





# American Studies

*Office: 412 Lehman Hall*

*Telephone: 280-2159*

This program is supervised by the Committee on American Studies:

**Professor of History**

Annette K. Baxter (Chairman)<sup>1</sup>

**Professor of Art History**

Barbara Novak

**Associate Professor of History**

Charles S. Olton

**Assistant Professor of History**

John W. Chambers

<sup>1</sup>Absent on leave, Spring Term

This program helps students to develop understanding of American civilization considered as a whole. Specialized studies in all fields of learning dealing with American subject matter are included in the program, and the impact of these studies is reflected in the work of the senior seminar. Faculty members directing the Program are specialists in American cultural, literary, and women's history; American art history; early American history; American political and legal history, and foreign relations, and mass media. All are committed beyond their individual specialties to an interdisciplinary approach to the study of American history and culture.

## REQUIREMENTS FOR THE MAJOR

In order to acquire a broad understanding of American civilization and acquaintance with various methods of studying it, a student who majors in American Studies must take a program, planned in consultation with her major adviser, consisting of 12 courses. There are no prerequisites for entrance to the Program or to American Studies 1,2. Students are advised to complete American Studies 1,2 before taking American Studies 3,4, but exceptions are allowed. Courses taken in other departments in fulfillment of the major requirements may be taken in any sequence.

The 12 courses must represent the following distribution:

- 2 courses in ancient, medieval or European history in any combination;
- 2 courses in American history;
- 2 courses in the social sciences dealing with American subject matter;
- 2 courses in the humanities dealing with American subject matter;
- American Studies 1, 2 (in the junior year); and
- American Studies 3,4 (in the senior year).

A research essay prepared in the senior seminar is required.

## REQUIREMENTS FOR THE MINOR

No minor is offered in American Studies.

# American Studies

## COURSES OF INSTRUCTION

### **1x, 2y. Seminar on American Culture and National Character.**

An interdisciplinary approach to the understanding of America, drawing upon history, literature, art, women's studies, black studies, popular culture, oral history, folklore, and other sources. The first semester examines classic 19th and 20th century responses to American culture and the second semester examines the changing spectrum of contemporary scholarship on American society, from colonial times to the present. Guest lecturers augment the course. — 1: A. Baxter; 2: J. Chambers.

*American Studies majors are required to take both semesters. Other students may take either semester. Permission of the instructor required. Enrollment limited to ca. 20 students.*

*One course credit.*

*1: Tu 2:10-4:00.*

*2: Th 2:10-4:00.*

### **3x-4y. Senior Seminar.**

Individual research on diverse aspects of American civilization, in consultation with the instructor, and presentation of results in the form of the senior essay. — 3: A. Baxter; 4: J. Chambers.

*Enrollment limited to senior majors.*

*One course credit.*

*W 2:10-4:00 with frequent conferences.*



# Ancient Studies

Office: 215 Milbank Hall

Telephone: 280-4389

This program is supervised by the Committee on Ancient Studies:

**Assistant Professor of Art History (Columbia)**

Louise Bordaz (Representative for General Studies)

**Professor of Greek and Latin (Columbia)**

James A. Coulter (Representative for Columbia)

**Associate Professor of Greek and Latin**

Lydia Lenaghan (Representative for Barnard)

**Professor of History (Columbia)**

William V. Harris

**Professor of Religion**

Elaine Pagels

Ancient Studies is designed to allow the student to explore various aspects of the ancient Mediterranean and Mesopotamian cultures while concentrating on one of these major civilizations. By studying these cultures in several academic disciplines the student will acquire a general knowledge and a context for her area of specialization. At Barnard and in the University a very large number of courses pertaining to antiquity is offered each year, and the program prepares an annual list to aid students in making their selections. This list may be obtained from the Representative for Barnard.

## REQUIREMENTS FOR THE MAJOR

Each student, after consultation with the representative for Barnard, chooses an adviser whose field is closely related to her own and with whom she will do her senior reading. The programs of all the students are reviewed by the Ancient Studies Committee, in order to maintain control and a sense of collective enterprise.

A total of 9 courses are required in the major, including

4 courses in one geographic area or period;

at least the first semester of Ancient Studies V3998, *Directed Research in Ancient Studies*, with presentation of written results; and

the appropriate sequence in ancient history.

In some cases, a senior seminar in one of the departments may be substituted for Ancient Studies V3998, V3999. Ancient language courses may be used toward the major requirement; however, where a second ancient language is offered, one second-year sequence must be offered to gain major credit for the first year.

## REQUIREMENTS FOR THE MINOR

No minor is offered in Ancient Studies.

## COURSES OF INSTRUCTION

A list of relevant courses of instruction offered in 1980-81 may be obtained from the Representative for Barnard.

# Anthropology

Office: 411D Milbank Hall

Telephone: 280-5417

## Professors

Morton Klass, Abraham Rosman, Paula G. Rubel, Joan Vincent (Chairman)

## Visiting Assistant Professors

Johanna Lessinger, Charles Lindholm

Other officers of the University offering courses listed below:

## Professors

Alexander Alland, Jr.<sup>1</sup>, Myron L. Cohen, Morton H. Fried<sup>2</sup>, Robert Murphy<sup>2</sup>

## Assistant Professors

Daisy Dwyer, Frank Findlow, David Gilbert, Richard W. Keatinge, Leith Mullings, David Post, Hanni Woodbury

## Lecturer

Rose Solecki

<sup>1</sup>Absent on leave, Autumn Term

<sup>2</sup>Absent on leave, Spring Term

Anthropology is the study of the biological and cultural development of the human species, and of the variety of human societies and their cultures. The student majoring in this field will acquire an understanding of humans and their ways that is not bound by her own time and culture. In doing so, she will find herself drawing upon the literature of such diverse disciplines as genetics, archaeology, ethnography, linguistics, and the social sciences. Students with a degree in anthropology may undertake graduate and professional study in anthropology; they may also enter upon careers in other fields, such as development, education, government, journalism, law, labor organization, medicine, or social work administration, where the value of a training in anthropology is becoming increasingly recognized. The practical and applied dimensions of anthropology have increased significantly in recent years, and the profession attempts to serve many nonacademic needs both in American society and in international organizations.

The Department issues periodically a Barnard Anthropology Newsletter, which is sent to majors, minors, and students in related programs. It provides accounts of meetings, news of coming events, Anthropology Club reports, and announcements of general concern to the Department. Copies of a Barnard Anthropology Department Calendar are also available, and all students are urged to visit 411 Milbank regularly and to peruse the notice-boards for class, activity, and job notices.

Several major museums and libraries in New York City offer exceptional opportunities for research. Various summer schools provide opportunities for research in archaeology and ethnography, and under certain circumstances such work may be credited toward the Barnard degree. Students interested in cultural anthropology are encouraged, whenever possible, to conduct research in the New York area, or, during their summer vacations, in other localities.

All courses, except those limited to majors, satisfy the College's distribution requirements.

## REQUIREMENTS FOR THE MAJOR

Every major is expected to have a general knowledge of all the fields of anthropology and of their interrelationship. The student's program should be designed in consultation with her adviser as soon as possible after the declaration of the major. Regular and frequent meetings with the adviser are encouraged.



Ten courses are required for the major, including

- V1001 *Introduction to the Study of Man;*
- V1002 *Introduction to Cultural Anthropology;*
- V3011 *Social Organization;*
- V3041 *History of Anthropological Theory;*

2 colloquia; and

4 other Anthropology courses, one of which will be an Area course (e.g., Peoples of the Middle East, Peoples of Europe, Peoples of Africa, Peoples of Southeast Asia).

Students majoring in Anthropology are required to submit a substantial research paper or essay. Such a paper may have its origin in a colloquium (or in another course acceptable to the department), and be completed in 71 or 72; or it may arise out of research in 67, 68 *Ethnographic Research in New York City*; or it may be based on papers submitted for two colloquia, the papers of which are to be presented to the department, along with introductory and culminating statements that make of them an entity; or it may be the result of a year's independent research in 99 or 99.

## REQUIREMENTS FOR THE MINOR

The minor consists of 5 courses:

- V1001, **or** V1002;
- V3041;
- one area course; and
- two other courses.

The department also cooperates with related programs such as Foreign Area Studies, Urban Studies, and Women's Studies, and with other departments offering, as an option to their majors, a four-course cluster in Anthropology (e.g. Architecture). Arrangements for combined, double, joint, and special majors are made in consultation with the chairman.

## COURSES OF INSTRUCTION

### BASIC COURSES

#### **V 1001x, V 1001y. Introduction to Human Origins.**

Human biological and cultural evolution, as studied by physical anthropologists and archaeologists. — Staff.

*One course credit.*

x: Section I Tu Th 9:10-10:25. A. Rosman.

Section II Tu Th 1:10-2:25. M. Fried.

Section III M W 2:40-3:55. M. Klass.

Section IV Tu Th 6:10-7:25. A. Gilbert

*Discussion hours to be arranged.*

y: M W 6:10-7:25. A. Alland.

*Discussion hours to be arranged.*

#### **V 1002x, V 1002y. Introduction to Culture.**

Comparative and functional analysis of culture; habitat, technology, and economy, social and political relations; ideology — magic, religion, and science; art, music, and literature; life cycles and personality. — Staff.

*One course credit.*

x: M W 1:10-2:25. R. Murphy.

*Discussion hours to be arranged.*

y: Section I Tu Th 9:10-10:25. A. Rosman.

Section II Tu Th 1:10-2:25. P. Rubel

Section III Tu Th 6:10-7:25. Instructor to be announced.

*Discussion hours to be arranged.*

#### **Linguistics V 1101x, V 1101y. Introduction to Linguistics.**

See Linguistics listing.

#### **5y. Freshman Seminar in Anthropology.**

Inquiry into the purposes of anthropologists and the nature of anthropology. Specific topics for discussion are selected by the instructor.

*Enrollment limited to 15 students.*

*Offered in alternate years. Offered in 1981-1982.*

*One course credit.*

### INTERMEDIATE COURSES

#### **V 3002y. Political Anthropology.**

The development and comparative study of political structure and government in non-western societies.

*Offered in alternate years. Offered in 1981-1982.*

*One course credit.*

# Anthropology

## **V 3003x. Problems in Developing Countries.**

Analysis and comparison of political and social problems in developing countries. — Instructor to be announced.

*Offered in alternate years. Not offered in 1980-1981.*

*One course credit.*

## **V 3004x. Introduction to Archaeology.**

The history, goals, theoretical frameworks, research designs, and techniques and methods for conducting archaeological research. The relationship of archaeology to anthropology, art history, and classics. — F. Findlow.

*One course credit.*

*Tu Th 6:10-7:25.*

## **V 3005x. Peoples of Africa.**

Survey of African cultures, with intensive analysis of selected peoples.

*Offered in alternate years. Offered in 1981-1982.*

*One course credit.*

## **V 3006y. Peoples of Southeast Asia.**

Selective survey of traditional and changing Southeast Asian societies; emphasis on cultural, social, and ecological dimensions of tribal and peasant life.

*Offered in alternate years. Offered in 1981-1982.*

*One course credit.*

## **V 3007x. Peoples of Europe.**

Intensive analysis of selected ethnographic studies reflecting cultural variation and change in European societies. — J. Vincent.

*Offered in alternate years. Offered in 1980-1981.*

*One course credit.*

*Tu Th 9:10-10:25.*

## **V 3008x. Ethnology of North American Indians.**

Survey of tribes and culture areas of North America with intensive analysis of several ethnographies including several dealing with present-day urban adjustment.

*Offered in alternate years. Offered in 1981-1982.*

*One course credit.*

## **V 3009x. Peoples of the Middle East.**

Survey of culture areas from North Africa to Pakistan, with intensive analysis of selected studies. — D. Dwyer.

*Permission of the instructor required.*

*Offered in alternate years. Offered in 1980-1981.*

*One course credit.*

*Tu Th 1:10-2:25.*

## **V 3010y. Native South America.**

Introduction to the peoples and cultures of native South America, including pre-history, ecology, social relations, belief systems, effects of the Spanish conquest, and the impact of modern change.

*Offered in alternate years. Offered in 1981-1982.*  
*One course credit.*

## **V 3011y. Social Organization.**

Institutions and organization of social life, particularly in non-literate societies; kinship and locality in the structuring of society. — J. Lessinger.

*Prerequisite: An introductory anthropology course.*

*Offered in alternate years. Offered in 1980-1981.*

*One course credit.*

*Tu Th 10:35-11:50.*

## **V 3012x. Economic Anthropology.**

Approaches to the study of resource allocation in production, consumption, and distribution in tribal and peasant societies, with detailed analysis of illustrative ethnographic materials. — J. Lessinger.

*Prerequisite: An introductory anthropology course or permission of the instructor.*

*Offered in alternate years. Offered in 1980-1981.*

*One course credit.*

*Tu Th 9:10-10:25.*

## **V 3013y. Village India.**

Study of the peoples and problems of the South Asian countryside. Contemporary ethnographies and community studies will be utilized in the examination of socio-economic relationships, religion, and culture change.

*Enrollment limited to ca. 25 students.*

*Offered in alternate years. Offered in 1981-1982.*

*One course credit.*

## **V 3014y. Peoples of East Asia.**

Introduction to the contemporary societies of China, Japan, and Korea, with special reference to the process of social change; emphasis on the interconnections between local communities and the total national societies. — M. Cohen.

*Offered in alternate years. Offered in 1980-1981.*

*One course credit.*

*Tu Th 10:35-11:50.*

## **V 3016y. Peoples of the Pacific.**

Comparative analysis of the ethnographic setting of Polynesian, Micronesian, and Melanesian populations; emphasis on theoretical contributions achieved and current anthropological problems being considered by researchers in the area.

*Offered in alternate years. Offered in 1981-1982.*

*One course credit.*

## **V 3018x. The Development of Urbanism: An Archaeological Perspective.**

Development and maintenance of prehistoric urban societies, drawing upon examples from both the New and Old Worlds; relationships between developmental processes, environmental exploitation, urban-rural interactions, and the internal dynamics and structure of the city itself.



*Offered in alternate years. Offered in 1981-1982.  
One course credit.*

## **V 3020y. Men's and Women's Speech.**

Cross-cultural and cross-linguistic investigation of differences among men's and women's speech-patterns as these are exemplified in literature, ethnographic texts, and actual utterances by speakers in various social settings; study of differences on the phonological, lexical, syntactic, and discourse levels; relation between cultural and linguistic patterns; variation across speakers and in time.

*Prerequisite: Course V 1001 or V 1002.*

*Offered in alternate years. Offered in 1981-1982.  
One course credit.*

## **V 3021y. Sex Roles in Cross-Cultural Perspective.**

Consideration of cultural expectations about male and female behavior in non-Western and Western societies. Differences in the social, economic, religious, and political behavior of men and women in a variety of cultures. Beliefs about sex and the sexes as well as the presence or absence of sex antagonisms. — D. Dwyer.

*One course credit.*

*Tu Th 4:10-5:25.*

## **V 3024y. Changing Africa.**

Major forces at work in contemporary Africa, and examination of changes that are taking place in the economic, social, political, educational, and artistic institutions of the emerging nation-states of that continent. — Instructor to be announced.

*Offered in alternate years. Offered in 1980-1981.*

*One course credit.*

*M W 11:00-12:15.*

## **V 3025x. Law, Culture, and Society.**

Survey of law and order systems in Western and non-Western societies. Examination of the kinds of social control problems that societies of different levels of complexity confront and the solutions that those societies forward. Forms of conflict behavior, methods of dispute settlement, and substantive law content.

*Offered in alternate years. Offered in 1981-1982.  
One course credit.*

## **V 3026y. Socio-cultural Dimensions of Poverty.**

Cross-cultural analysis and comparison of the effects of poverty on rural and urban populations; investigation of the types of socio-cultural arrangement produced by poverty and its social and political implications.

*Offered in alternate years. Offered in 1981-1982.  
One course credit.*

## **V 3027x. Culture and the Individual.**

Development of personality in various cultural contexts: child-rearing and socialization; the role of personality theories in analyzing social systems and situations of culture change. — C. Lindholm.

*Permission of the instructor required.*

*Offered in alternate years. Offered in 1980-1981.  
One course credit.*

*Tu Th 2:40-3:55.*

## **V 3029y. The Archaeology of the New World.**

Survey of the prehistoric past of native American cultures from the time of the aboriginal settling of the New World by Asian immigrants to that of European contact; special emphasis upon the rise of the New World civilizations in Mexico and Peru and the processes leading to their development. — A. Gilbert.

*Offered in alternate years. Offered in 1980-1981.  
One course credit.*

*M W 2:40-3:55.*

## **V 3032x. The Archaeology of the Old World.**

Survey of the principal areas of cultural development in Europe, Asia, and Africa from the earliest beginning of human culture to the dawn of first civilization. — R. Solecki.

*Offered in alternate years. Offered in 1980-1981.  
One course credit.*

*M W 2:40-3:55.*

## **V 3033y. Sociolinguistics.**

Speech considered as a social activity: the speech community; socially motivated linguistic change; ethnography of speaking; regional and social dialects; sex linked speech; the strategic use of language in varying speech events; analysis of natural discourse. — H. Woodbury.

*One course credit.*

*M W 1:10-2:25.*

## **V 3034x. Ethnolinguistics.**

Linguistic categories and their relation to culture; systems of folk-classification and their analysis; linguistic representations of time, space, and other systems of orientation; analysis of myths, stories, and other ethnographic texts; relationships between language and thinking. — H. Woodbury.

*One course credit.*

*M W 1:10-2:25.*

## **V 3036x. Peasant Societies.**

Introduction to pre-industrial agrarian social systems; patterns of community organization and the relationship between the community and the state. — M. Cohen.

*Offered in alternate years. Offered in 1980-1981.  
One course credit.*

*Tu Th 4:10-5:25.*

# Anthropology

## **V 3037y. Societies in Transition.**

Analysis of the changes that have taken place in rural and urban societies since the nineteenth century with emphasis on cultural and institutional relations between localities, regions and states. Ethnographies from Europe, America and the Third World.

*Offered in alternate years. Offered in 1981-1982.  
One course credit.*

## **V 3038y. Ethnic Relations in Changing Societies.**

Analysis and comparison of ethnic relations in settings of cultural pluralism with special reference to America, Europe and Third World countries. — J. Vincent.

*Offered in alternate years. Not offered in 1980-1981.  
One course credit.*

## **Anthropology-Women's Studies V 3039x. Women in Third World Development.**

Comparison of women's social and economic roles in both traditional and modernizing societies. Women's roles in the family, community and class structure will be discussed through a detailed examination of a series of ethnographies. — J. Lessinger.

*Prerequisite: An introductory anthropology course or Women's Studies 11 or permission of the instructor.*

*Offered in alternate years. Offered in 1980-1981.  
One course credit.  
Tu Th 4:10-5:25.*

## **V 3042x. The Anthropology of Religion.**

Ideological systems of simple or preindustrial cultures; relations between religion and other aspects of culture.

*Prerequisite: An introductory anthropology course.*

*Offered in alternate years. Offered in 1981-1982.  
One course credit.*

## **V 3044y. Symbolism.**

The ordering of experience through symbols in various cultures. The symbolic significance of natural anomalies, twins, the body, space, time, inversions, jokes and riddles examined through selected readings from Durkheim, van Gennep, Lévi-Strauss, Mary Douglas, Victor Turner, and others. — C. Lindholm.

*One course credit.  
Tu Th 2:40-3:55.*

## **V 3048y. Laboratory Techniques in Archaeology.**

Training in general archaeological methods, data recording techniques, and preparation of reports and illustrations, etc.

*Enrollment limited to 15 students.  
Offered in alternate years. Offered in 1981-1982.  
One course credit.*

## **V 3050y. Field Archaeology.**

Introduction to archaeological techniques and methods of excavation. — Instructor to be announced.

*Permission of the instructor required.*

*Approximately seven field sessions, supplemented by classroom work. Students must pay for their transportation and food on trips.*

*One course credit.*

*S 9:00-5:00.*

## **V 3100y. Urban Societies.**

Evolution of cities; a cross-cultural view of kinds of urban formations; examinations within an anthropological context of various aspects of urban life. — L. Mullings.

*Offered in alternate years. Offered in 1980-1981.  
One course credit.  
Tu Th 2:40-3:55.*

## **V 3121x. Environment and Cultural Behavior.**

Discussion of ecological studies in cultural anthropology, with special emphasis on making cultural practices intelligible by relating them to the material world in which they develop or occur.

*Permission of the instructor required.*

*Offered in alternate years. Offered in 1981-1982.  
One course credit.*

## **V 3125x. Evolution of Subsistence Agriculture Systems.**

Theories concerning the origins of agriculture and a comparative examination of extant agricultural systems; emphasis on the variation and flexibility of subsistence alternatives exhibited by selected groups.

*Offered in alternate years. Offered in 1981-1982.  
One course credit.*

## **V 3128x. Medical Anthropology.**

Examination of social and cultural factors as they relate to problems of health, illness, and medicine in the United States and in other societies. — L. Mullings.

*One course credit.*

*Tu Th 2:10-4:00.*

## **V 3200y. Colloquium on Methods of Anthropological Research.**

Analysis and application of various methods of anthropological research, including, among others, fieldwork procedures, the cross-cultural method, and approaches to model-building in anthropology.

*Prerequisite: An introductory anthropology course.*

*Enrollment limited to 20 students.*

*Offered in alternate years. Offered in 1981-1982.  
One course credit.*



## **V 3201y. Introductory Survey to Biological Anthropology.**

Human species in biological and evolutionary perspective with particular emphasis on the behavioral and morphological aspects of our evolution. Topics to be covered include evolutionary theory and basic population genetics, non-human primate behavior, fossil evidence for human evolution, human variation, and interaction of biology and culture. — D. Post.

*One course credit.*

*MW 1:10-2:25.*

## **W 3203y. Primate Behavior.**

Introduction to the study of primates, emphasizing social behavioral patterns as adaption within ecological constraints; primate taxonomy, fossil record, social behavior, uses and abuses of primate studies for understanding human evolution and behavior. — D. Post.

*Prerequisite: Course V 3201 or permission of the instructor.*

*Offered in alternate years. Offered in 1980-1981.*

*One course credit.*

*MW 6:10-7:25.*

## **FOR MAJORS ONLY**

## **V 3041x. History of Anthropological Theory.**

Intellectual developments contributing to the formalization of anthropology as a discipline. The works of Montesquieu, Comte, Maine, Durkheim, and Marx, along with the theoretical writings of such anthropologists as Tylor, Morgan, Boas, Malinowski, and Radcliffe-Brown. — P. Rubel.

*One course credit.*

*Tu Th 10:35-11:50.*

## **42y. Colloquium: Current Anthropological Theory.**

Intensive analysis of selected theoretical approaches and issues in anthropology. Subject matter changes from year to year and may include, for example, Male and Female in Anthropological Perspective; Women and Work; Applied Anthropology, etc. — M. Klass.

*Permission of the instructor required.*

*Enrollment limited to ca. 16 students.*

*One course credit.*

*W 10:00-12:00.*

## **V 3500y. Colloquium: Problems in Structuralism.**

Reading and research in anthropological theories of structuralism; review of works of Claude Lévi-Strauss, Edmund Leach, and others in relation to relevant work in linguistics, psychology, sociology and philosophy. — R. Murphy.

*Enrollment limited to 20 students.*

*One course credit.*

*W 2:10-4:00.*

## **V 3625x. Anthropology and Film.**

Use of film by anthropologists as a means of documentation of culturally patterned behavior and as a research tool. Films will also be analyzed as cultural texts. — P. Rubel.

*One course credit.*

*W 1:10-4:00.*

## **V 3700x. Colloquium: Anthropological Research Problems in Complex Societies.**

Study of the local community and its relationship to regional and national societies; discussion of plural societies, minority and ethnic groups in a cross-cultural setting. Cases selected from Africa, Latin America, Asia, Europe, and North America. — Instructor to be announced.

*Not offered in 1980-1981.*

*One course credit.*

## **V 3720x. Colloquium: Marxism and Ethnography.**

Examination of some basic sources of Marxist social theory, their implications for anthropological theory and method, and selected ethnographies influenced by or relevant to them.

*Enrollment limited to 20 students. Permission of the instructor required.*

*Offered in alternate years. Offered in 1981-1982.*

*One course credit.*

## **V 3825x. Seminar: Archaeology and Religion.**

Survey of the nature and role of religion in prehistoric societies from the time of its earliest manifestations in the archaeological record through the rise of ancient civilizations. Archaeological data as well as ancient textual evidence of religious ideology and activity in prehistoric societies throughout the world. The relationship between religion, political structure, and economy, the diffusion of religious ideologies, and the role of religion in the rise of centralized societies. — R. Keatinge.

*Prerequisite: Course V1001, V1002. Permission of the instructor required.*

*Offered in alternate years. Offered in 1980-1981.*

*One course credit.*

*Tu 2:10-4:00.*

## **67x, 68y. Ethnographic Research in New York City.**

Seminar-Workshop on field research in New York City. Lectures, discussions and demonstrations of research methods of anthropology followed by supervised field research on selected ethnographic topics in a variety of urban settings. — J. Lessinger.

*Permission of the instructor required.*

*Enrollment limited to ca. 16 students.*

# Anthropology

*Offered in alternate years. Offered in 1980-1981.  
Field work required.  
One course credit.  
67x: W 2:10-4:00.*

## **71x-72y. Senior Research Seminar.**

Discussions and conferences on individual advanced research projects including those which have developed from students' participation in Anthropology 67-68. Each student is engaged in independent research under the guidance of her Senior Essay Adviser. All students participating in the seminar may meet together periodically for joint discussion. During the Spring Term a final seminar meeting may be held at which students present their work prior to its submission as satisfying the Senior Research Essay requirement of the Department. — Staff.

*Prerequisite: Courses 67-68.*

*One course credit.*

*Hours to be arranged.*

## **99x, 99y. Individual Projects.**

Research projects are planned in consultation with members of the department and work is supervised by the major's Research Essay adviser. The advisory system requires periodic consultation and discussion between the student and her adviser as well as the meeting of specific deadlines set by the Department each semester. The final research paper is submitted to meet the Senior Research Essay requirement of the department. — Staff.

*Permission of the instructor required.*

*One course credit.*

*Hours to be arranged.*

## **GRADUATE COURSES**

Certain graduate courses given in the University are open to qualified majors with the consent of the department chairman and the major adviser. These courses are described in the Bulletin of the Graduate School of Arts and Sciences.





# Art History

Office: 301B Barnard Hall

Telephone: 280-2118

## **Professor**

Barbara Novak

## **Adjunct Professor**

Brian O'Doherty

## **Associate Professor**

Dorothea Nyberg

## **Adjunct Associate Professor**

Katharine Baetjer

## **Assistant Professors**

Anne W. Lowenthal,<sup>1</sup> Joseph Masheck, Jane Rosenthal (Chairman)

## **Visiting Assistant Professor**

Judith E. Bernstock

## **Visiting Artists**

Victoria Barr, Milton Resnick

Other officers of the University giving instruction at Barnard College:

## **Assistant Professors**

Stephen Gardner, Waltraude Schleicher-Woods (Adviser, Architecture Major, 303 Barnard Hall), Laretta Vinciarelli

## **Instructor**

Ronald Williams

Other officers of the University offering courses listed below:

## **Professors**

James Beck, Richard Brilliant, George Collins, Howard McP. Davis, Douglas Fraser,<sup>2</sup> Robert Hanning (English), Howard Hibbard, Miyeko Murase, Edith Porada,<sup>2</sup> Theodore Reff, David Rosand,<sup>1</sup> Allen Staley

## **Adjunct Professors**

Carl Dauterman, Colta Ives

## **Visiting Professor**

Ann Farkas

## **Associate Professors**

David G. DeLong, Michael Mostoller, Robert A.M. Stern

## **Assistant Professors**

Christiane Andersson, Rosemarie Bletter,<sup>1</sup> Louise Bordaz, Victor Caliandro, Beth Cohen, Jerrilynn Dodds, Ogden Goelet, John James, Michael Marrinan, Gerald Silk, Richard Vinograd

## **Special Lecturer in Architecture**

Mario Salvadori

<sup>1</sup>Absent on leave, 1980-1981

<sup>2</sup>Absent on leave, Spring Term

Art History is one of the broadest humanistic disciplines, involving analysis of man's cultural and artistic expressions. Students study objects of art and relate them to the cultures that produced them. That study will be both formal (dealing with problems of style) and historical

# Art History

(dealing with a wide range of related disciplines such as history, philosophy, literature, religion, and anthropology). Students will not only examine how a work of art is made, but also ask “why”; knowledge of intention, as far as that is possible, leads to a better understanding of civilizations, past and present. The department emphasizes direct experience of the art object through use of New York City’s museums and art galleries, which are the center of the international art world.

All students are encouraged to develop professional standards which can be used for future growth in graduate study and in professional work in teaching, museums, galleries, art foundations, art publishing and editing, and art criticism. The department encourages experience in studio art and interdisciplinary studies in related fields.

A limited number of studio courses are offered at Barnard; in addition students may take courses for which they qualify in the Department of Painting and Sculpture, School of the Arts of Columbia University. See page 88 for regulations governing these courses. A studio fee is charged for studio art courses.

Students contemplating a career in studio art should see the announcement on the Program in the Arts, page 90 and should consult with the Art History Chairman or the Chairman of the Program in the Arts at the earliest possible time. The Art History Department offers two majors, in Art History and Architecture. The Art History department also cooperates with the Program in the Arts.

## REQUIREMENTS FOR THE MAJOR

### Art History

Each student entering the department as a major chooses an adviser, who assists her in planning a program that incorporates personal interests and also meets departmental requirements. Nine courses are required for the major, and Art History 1, 2, *Introduction to the History of Art*, is strongly suggested as an introduction to the field. (It may be waived if a student has sufficient training.) The nine courses should include ancient, medieval, renaissance, baroque, and modern courses, plus three seminars. At least four lecture courses and two seminars should be taken at Barnard. Courses in film are accepted as part of the major; studio courses are encouraged but are not part of the major.

A senior essay is required of the major. Under special circumstances and with the chairman’s permission, seniors may elect Art History 99, *Independent Research*, for the senior essay. Art History 99 may not be used to fulfill the seminar requirement, but may be taken in addition to the three required seminars. The senior essay may be an expansion of a seminar paper.

Students who plan to undertake graduate work should obtain a reading knowledge of at least two foreign languages in which the major contributions to the history of art have been made. Most graduate schools require a reading knowledge of French and German; the department strongly recommends taking German while at Barnard.

### Architecture

Students majoring in Architecture experience and investigate the central aspects and problems of the art and profession of architecture. The major provides an inclusive program offering opportunities for the student to explore relationships among physical forms, social forms, and environmental contexts. Active studio work complements seminar discussions, lectures, and research.

A student can concentrate on a “cluster” of courses relating architecture to other disciplines, such as Urban and Environmental Studies, Anthropology, Economics, History, Sociology, and Studio Art, which opens up career possibilities in other fields.

Students interested in the Architecture major should contact the Adviser to Architecture Majors by the beginning of their sophomore year.



The major in Architecture is required to complete 16 courses, six of which should be Barnard courses:

5 Studio courses:

|                         |  |
|-------------------------|--|
| Barnard 14              | <i>Fundamentals of Architectural Design</i>      |
| Barnard 10 or<br>C 3103 | <i>Freehand Drawing</i>                          |
| Barnard 12 or<br>C3101  | <i>Architectural Graphics</i>                    |
| C 3201-C 3202           | <i>Elements of Architectural Design I and II</i> |

7 History/Theory courses:

|        |                                     |
|--------|-------------------------------------|
| C 1001 | <i>Introduction to Architecture</i> |
|--------|-------------------------------------|

4 lecture courses from the following:

|            |   |
|------------|---|
| C3301      | <i>The Beginnings of Architecture</i>                                       |
| C3302      | <i>Architecture in the Western World</i>                                    |
| Barnard 61 | <i>European Architecture from the<br/>Renaissance to 1700</i>               |
| Barnard 69 | <i>French Architecture 1500-1800</i>  |
| Barnard 70 | <i>European and American Architecture<br/>from the 18th Century to 1900</i> |
| C3883      | <i>20th Century Architecture</i>  |
| A4110      | <i>The Building of Buildings</i>  |

2 seminars from among the following:

|            |   |
|------------|---|
| Barnard 93 | <i>Fantasy Architecture</i>                               |
| Barnard 96 | <i>Arts of the Rococo</i>                                 |
| Barnard 98 | <i>Social and Political Functions of<br/>Architecture</i> |
| C3901      | <i>Senior Seminar</i>                                     |
| C3666      | <i>Architecture Since 1945</i>                            |

(other Architecture History/Theory lecture and seminars will be considered).

One of the following courses with laboratory

|                |                              |
|----------------|------------------------------|
| Geography 1, 2 | <i>Environmental Science</i> |
|----------------|------------------------------|

3 courses chosen in consultation with the Architecture Major Adviser from one area of study or “cluster”, such as Anthropology, Art History, Economics, Environmental Conservation and Management, Geography, History, Philosophy, Political Science, Psychology, Sociology, Urban Studies, or Studio Art.

The essay and graphic presentation required for the seminar chosen in the senior year is the senior project for the major.

Students who wish to enter graduate study in Architecture are advised to take some of the following courses:

|                                |                                     |
|--------------------------------|-------------------------------------|
| C3211-C3212                    | <i>Intermediate Design I and II</i> |
| V1003                          | <i>General Physics</i>              |
| 1 Calculus course, e.g., V1100 | <i>Brief Calculus</i>               |

The department encourages combined majors.

## REQUIREMENTS FOR THE MINOR

The minor in Art History consists of 5 lecture courses, including Art History 1, 2 and one each in three of the following periods: ancient, medieval, renaissance, baroque, and modern.

# Art History

The minor in Architecture consists of 5 courses: Architecture - Art History 14, 10 and 12, and 3 History/Theory courses.

## COURSES OF INSTRUCTION

### **1x,2y. Introduction to the History of Art.**

Brief examination of the techniques of visual analysis, followed by a chronological survey of the major period styles of Western European art. Emphasis on the interpretation of form and content in the works studied and on the correlation of the visual arts with their respective cultural environments. Autumn Term: Greek and Roman art, medieval art. Spring Term: Renaissance to modern art. — Instructor to be announced.

*Either course may be taken separately.*

*One course credit.*

*M W 1:10-2:25.*

### **Architecture C1001y. Introduction to Architecture.**

Intended for prospective architecture majors as well as those interested in acquiring a general familiarity with architecture. Basic concepts and representative buildings. Lectures, readings, discussions and field trips. — V. Caliandro and staff.

*One course credit.*

*M 12:00-1:30, W 1:00-2:00.*

### **Architecture C3301x. The Beginnings of Architecture.**

Survey of the history of architecture from pre-historic times through the fall of Rome, including major examples of non-Western architecture. — D. DeLong.

*One course credit.*

*Tu Th 12:00-2:00.*

### **Architecture C3302y. Architecture in the Western World.**

Continuation of Course C3301. Survey of European architecture from the fall of Rome to the beginnings of the Industrial Revolution. — D. DeLong.

*One course credit.*

*Tu Th 12:00-1:50.*

### **Architecture A 4110x. The Building of Buildings: A Survey of Structural Principles.**

Introduction to basic concepts of structural action by means of models, slides, and films. Elementary and refined concepts are qualitatively considered without the use of mathematical tools. Special consideration to modern structural materials and to both classical and contemporary structural systems. — M. Salvadori.

*One course credit.*

*Tu 6:10-8:00 p.m.*

### **V3080x. Pre-Columbian Art.**

Survey of pre-Hispanic art of Mesoamerica, Cen-

tral America, and the Andean region from the earliest times to the Spanish Conquest.

*Not offered in 1980-1981.*

*One course credit.*

### **V3090y. American Indian Art.**

Survey of the tribal arts of North and South America.

*Not offered regularly. Not offered in 1980-1981.*

*One course credit.*

### **W4065y. Art of Oceania.**

Form and content of the traditional arts of Indonesia, Australia, Melanesia, Micronesia, and Polynesia. — D. Fraser.

*Not offered regularly. Not offered in 1980-1981.*

*One course credit.*

### **W3155x. Introduction to the Archaeology of the Near East and the Aegean.**

Survey of archaeological method and examination of selected Neolithic and Bronze Age sites. — L. Bordaz.

*One course credit.*

*M W 2:40-3:55.*

### **W3150x. Art and Architecture of the Ancient Near East.**

Arts of the ancient cultures of Mesopotamia, Iran, Anatolia, Syria, and Palestine from the 4th millennium through the Achaemenid period in the late first millennium B.C. — E. Porada.

*One course credit.*

*M 5:30-8:00.*

### **W3153y. The Neolithic in the Near East and the Aegean.**

Lectures and discussion sessions focusing on theories relating to this period and on representative sites. — L. Bordaz.

*Offered every three years. Not offered in 1980-1981.*

*One course credit.*

### **W3156y. The Transition to Urban Life and "Civilization" in the Ancient World.**

Integrated study of developments in the Near East and the Aegean from approximately the eighth through the second millennium B.C. — L. Bordaz.

*The second course in a sequence with Course W 3153 and W 3155, which is directed toward students not only in art history but also in other disciplines relating to the ancient world, such as anthropology, history, Middle East languages and culture.*

*Offered in alternate years. Offered in 1980-1981.*

*One course credit.*

*M W 2:40-3:55.*



## **W3180x. Art of Ancient Egypt.**

Introduction to Egyptian representational art from the Pre-Dynastic culture to the end of Dynastic Egypt. — E. Porada.

*Not offered regularly. Not offered in 1980-1981. One course credit.*

## **W4186x. The New Kingdom in Egypt: Late Bronze Age in Western Asia.**

E. Porada and O. Goelet.

*One course credit.*

*Tu 5:30-8:20.*

## **W4187y. The History, Culture, and Art of the Late Period in Egypt.**

O. Goelet.

*One course credit.*

*Tu 5:30-8:20.*

## **Archaeology W4173x. Archaeology of Turkey I.**

Survey of the prehistoric archaeological record in Turkey from earliest times to the third millennium B.C. — L. Bordaz.

*Offered in alternate years. Offered in 1980-1981. One course credit.*

*M 11:00-12:50 plus third hour to be arranged for undergraduates.*

## **Archaeology W4174y. Archaeology of Turkey II.**

Survey of the archaeological record in Turkey during the third and second millennium B.C. including a review of the Hittite civilization. — L. Bordaz.

*Offered in alternate years. Offered in 1980-1981. One course credit.*

*M 11:00-12:50 plus third hour to be arranged for undergraduates.*

## **W4208x. Archaeology of the Aegean Areas I.**

Survey of the prehistoric record in the Aegean areas from earliest times to the third millennium B.C. — L. Bordaz.

*Not offered regularly. Not offered in 1980-1981. One course credit.*

## **W4209y. Archaeology of the Aegean Areas II.**

Survey of the archaeological record in the Aegean areas during the third and second millennium B.C., including a review of the Minoan civilizations. — L. Bordaz.

*Not offered regularly. Not offered in 1980-1981. One course credit.*

## **V3246y. Myth and Art in Greece.**

Changing representation of mythological and religious themes in Greek painting and sculpture from the late Geometric to the Hellenistic period; emphasis on the development of specific cycles of myths of heroes and gods with reference to their historical contexts; readings in ancient sources (in translation) and in modern criticism. — B. Cohen.

*Not offered regularly. Not offered in 1980-1981. One course credit.*

## **V3248x. Greek Art and Architecture.**

Examination of the principal monuments and themes of Greek art in sculpture, painting, architecture, and city planning from the Mycenaeans to the Roman conquest. — B. Cohen.

*One course credit.*

*Tu Th 2:40-3:55.*

## **V3250y. Roman Art and Architecture.**

Architecture, sculpture, and painting of ancient Rome from the second century B.C. to the end of the Roman Empire in the West. — R. Brilliant.

*One course credit.*

*Tu Th 2:40-3:55.*

## **51x. Early Christian and Early Medieval Art.**

Christian art from its beginnings in the late antique world through the sixth century, followed by the early medieval styles of northern Europe including Hiberno-Saxon, Carolingian and Ottonian art. — J. Rosenthal.

*One course credit.*

*M W 2:40-3:55.*

## **52y. Art of the Later Middle Ages.**

Architecture, sculpture, and painting in the Romanesque and Gothic periods, with emphasis on the French contributions. — S. Gardner.

*One course credit.*

*M W 2:40-3:55.*

## **W3133y. Islamic Art and Society.**

Major monuments of a millennium of Arab and Persian art as an expression of the development and growth of Islamic civilization. — J. Dodds.

*One course credit.*

*M W 1:10-2:25.*

## **V3420y. Italian Sculpture during the Renaissance.**

Survey of developments from the thirteenth to the sixteenth century with special emphasis given to the art of Nicola Pisano, Giovanni Pisano, Quercia, Donatello, and Michelangelo. — J. Beck.

*One course credit.*

*Tu Th 6:10-7:25.*

## **W3420y. Michelangelo.**

Aspects of his painting and sculpture and of his architecture in the context of Renaissance Florence and Rome; Michelangelo and the Quattrocento tradition; his relations with Leonardo and Raphael; the Sistine Ceiling; the Medici Chapel; the Last Judgment; late works in sculpture and architecture; Michelangelism from Mannerism to Rodin. — H. Hibbard.

*Not offered regularly. Not offered in 1980-1981. One course credit.*

## **W3633y. Italian Renaissance Painting.**

Painting in Italy from the revival of painting in the late thirteenth century to the early sixteenth cen-

# Art History

ture; emphasis on the Early Renaissance and on the works of Giotto, Masaccio, and Piero della Francesca. High Renaissance, with stress on Leonardo da Vinci and Michelangelo and their role in the continuity of tradition. — H. Davis.

*One course credit.*

*Tu Th 10:35-11:50.*

## **W3688x. Northern European Painting.**

Renaissance humanism and realism, the tradition of satiric imagery and the emergence of the Baroque, particularly in Flanders and Holland, with emphasis on Jan van Eyck, Van der Weyden, Bosch, Bruegel, and Rembrandt. — H. Davis.

*One course credit.*

*Tu Th 10:35-11:50.*

## **W4430y. German Renaissance Art.**

Survey of painting, sculpture, and graphic arts in Germany during the period 1480-1550, concentrating on Schongauer, Dürer, Grünewald, Altdorfer, Riemenschneider, and the Vischers. — C. Andersson.

*Not offered in regularly. Not offered in 1980-1981.*

*One course credit.*

## **W4451x. High Renaissance Art and Architecture.**

Style and relationships among the arts ca. 1500-1527. Emphasis on Leonardo, Michelangelo, Fra Bartolomeo, Raphael, Bramante, and Sansovino.

*Not offered in 1980-1981.*

*One course credit.*

## **61x. European Architecture from the Renaissance to 1700.**

Development of Renaissance, Baroque, and Rococo architecture in Italy, France, Germany, and England from the fifteenth century to 1700. Architects studied include Brunelleschi, Bramante, Michelangelo, Delorme, Cortona, Borromini, François Mansart, Hardouin-Mansart, Inigo Jones, and Wren. — D. Nyberg.

*One course credit.*

*Tu Th 2:40-3:55.*

## **69x. French Architecture 1500-1800.**

The cohesive tradition of French architecture, with major emphasis on Delorme, Salomon de Brosse, Lemercier, Mansart, Le Vau, Perrault, Hardouin-Mansart, Meissonier, Servandoni and Soufflot. — D. Nyberg.

*One course credit.*

*Tu Th 10:35-11:50.*

## **70y. European and American Architecture from the Eighteenth Century to 1900.**

Development of eighteenth-century architecture in Europe and America; interaction of historical styles and new structural techniques in the nineteenth century. — D. Nyberg.

*One course credit.*

*Tu Th 2:40-3:55.*

## **C3020y. Drawings and Prints.**

Changing styles and functions of drawing from the fifteenth century to the present and the development of printmaking as an expressive medium; emphasis on Pisanello, Leonardo, Dürer, Michelangelo, Rembrandt, Goya, and Picasso. — D. Rosand.

*Prerequisite: Humanities C 1121 or the equivalent.*

*Not offered in 1980-1981.*

*One course credit.*

## **W4540x. Bernini.**

Central figure of the Roman Baroque seen against the background of his predecessors in painting, sculpture, and architecture. Lectures on the origins of Bernini's sculpture and the development of his approach to religious imagery, followed by a consideration of his growing interest in architecture and environmental control. — H. Hibbard.

*One course credit.*

*M 4:10-6:00, W 4:10-5:00.*

## **59y. Seventeenth-Century Painting in the Netherlands.**

Emphasis on Rubens, Van Dyck, Jordaens, Hals, Rembrandt, Ruisdael, and Vermeer; relationships between Flemish and Dutch painting and contemporary art in Italy, France, and Spain. — A. Lowenthal.

*Not offered in 1980-1981.*

*One course credit.*

## **75x. European Painting since the Renaissance I.**

Baroque and Rococo painting in Italy, France, England, Flanders, Holland and Spain from 1600 to the middle of the eighteenth century, with emphasis on Caravaggio, the Carracci, Poussin, Rubens, Rembrandt, Velazquez, Watteau, Hogarth, and Tiepolo. — J. Masheck.

*One course credit.*

*Tu Th 2:40-3:55.*

## **76y. European Painting since the Renaissance II.**

Painting from the late eighteenth century to 1900; Neoclassicism, Romanticism, Realism, Impressionism, and Post-Impressionism. Emphasis on developments in France, from David to Cézanne and Seurat, with attention to Goya, Constable, and Turner as well. — Instructor to be announced.

*One course credit.*

*Tu Th 2:40-3:55.*

## **C3748y. European Painting of the Eighteenth Century: From Watteau and Tiepolo to David and Goya.**

New styles and subjects appearing between 1750 and 1800 and their relation to contemporary cultural and social background. — A. Staley.

*Not offered regularly. Not offered in 1980-1981.*

*One course credit.*



## **W3600x. Nineteenth-Century Art.**

Painting and sculpture in Western Europe from 1789-1900; Neoclassic, Romantic, Realist, Impressionist, and Post-Impressionist movements. — M. Marrinan.

*One course credit.*

*Tu Th 2:40-3:55.*

## **72x. Women in Art.**

Survey of women artists from the Renaissance to the present, examining the works, careers, and lives of women artists and the changing role of women in relation to the art establishment. — Instructor to be announced.

*One course credit.*

*M W 4:10-5:25.*

## **73x, 74y. Modern Art. (73 formerly 78)**

Consideration of art — principally but not exclusively painting — in the past century. Autumn Term: from the origins of modern painting until after World War I. Spring Term: from the period between the Wars onward. — J. Masheck.

*Course 73 or its equivalent recommended as preparation for Course 74.*

*One course credit.*

*Tu Th 10:35-11:50.*

## **C3812y. Photography and the Arts.**

History of photography's development up to World War I. Major figures in photography considered in relation to developments in painting and science. Some background in the history of nineteenth-century art recommended.

*Not offered regularly. Not offered in 1980-1981.*

*One course credit.*

## **F3650y. Twentieth-Century Art.**

Major trends and sources of twentieth-century painting, sculpture and architecture with emphasis on understanding the cultural environment and related developments. — G. Silk.

*One course credit.*

*Tu Th 2:40-3:55.*

## **W4840x. Art Since 1945.**

Painting and sculpture in Europe and America from 1945 to the present. — G. Silk.

*Not offered regularly. Not offered in 1980-1981.*

*One course credit.*

## **C3833x. Twentieth-Century Architecture.**

Tendencies in 20th century architecture and city planning as related to other cultural developments; origins of the modern movement in the stylistic and technological developments of the 19th century; major contemporary contributions. — R. Bletter.

*Not offered regularly. Not offered in 1980-1981.*

*One course credit.*

## **W4665x. Modern Architecture.**

Tendencies in 20th century architecture and city planning as related to other cultural developments; origins of the modern movement in the stylistic and technological developments of the 19th century; major contemporary contributions.

— G. Collins.

*One course credit.*

*W F 10:35-11:50.*

## **W4624y. American Painting 1760-1900.**

Principal ideas behind the American painting tradition with special attention to varying concepts of realism and idealism and to correspondences in philosophy, science, and literature. — B. Novak.

*One course credit.*

*M W 2:40-3:55.*

## **W3605x. The Arts in Spain from the Golden Age to the Present.**

Major figures, monuments, movements, and styles in Spanish art and architecture from ca. 1500 to the present; emphasis on the distinctive Spanish nature of the arts and their relation to other aspects of the culture and history of the peninsula. — G. Collins.

*Not offered regularly. Not offered in 1980-1981.*

*One course credit.*

## **V3201x. Arts of China. (formerly 91)**

Survey of Chinese art from Neolithic to the last dynastic period of Ch'ing, with emphasis on bronzes, Buddhist art, and great landscape painting of the Sung and later periods; arts of Central Asia and India as they affect the arts of China. — R. Vinograd.

*One course credit.*

*Tu Th 6:10-7:40 p.m.*

## **V3203y. Arts of Japan. (formerly 92)**

Survey of the development of Buddhist art and architecture in Japan as they were introduced from China, including the arts of later periods, with emphasis on the formation of indigenous art forms such as narrative scroll-painting, decorative screens, and wood-block prints. — M. Murase.

*One course credit.*

*Tu Th 4:10-5:25.*

## **SEMINARS**

Seminars have limited enrollment. Permission of the instructor is required for admission to all Barnard seminars. In addition it is strongly recommended that students seeking admission to a seminar have previously had a lecture course in the area. Students must sign up for Columbia seminars at 815 Schermerhorn.

## **53x. The Art of Medieval Manuscript Illumination.**

Principal forms of decoration and illustration in medieval manuscripts, including examination of

# Art History

original works in collections in New York City  
— J. Rosenthal.  
*One course credit.*  
*W 11:00-12:50.*

## **C3933y. Medieval Art at the Cloisters.**

P. Blum.  
*Not offered regularly. Not offered in 1980-1981.*  
*One course credit.*

## **Art History-Comparative Literature C3922y. Themes in the Art and Literature of the Renaissance.**

Themes of recurring interest in the literature and art of Italy, England, and France in the period circa 1350-1600, with emphasis on the classical tradition. — R. Hanning and D. Rosand.  
*Prerequisites: Junior standing, either one dramatic literature course or one Renaissance art history course. Preference given to students with background in both dramatic literature and the visual arts.*  
*A reading knowledge of Italian recommended but not required.*  
*Permission of both instructors required. Interviews will be held during the Autumn Term.*  
*Offered every three years. Not offered in 1980-1981.*  
*One course credit.*

## **C3960x. Renaissance Book Illustration.**

Style and function in the development of woodcut book illustration from ca. 1420-1530, focusing primarily on northern centers such as Nuremberg, Basel, Mainz, and Augsburg, with consideration of early ties with Venice. Students will study originals in the Columbia University collections and the New York Public Library. — C. Andersson.  
*Not offered regularly. Not offered in 1980-1981.*  
*One course credit.*

## **V3920y. Leonardo da Vinci.**

All aspects of Leonardo's contributions. — J. Beck.  
*Enrollment limited to 12 students. Sign-up sheet in 815 Schermerhorn.*  
*Not offered regularly. Not offered in 1980-1981.*  
*One course credit.*

## **V3430y. Renaissance Florence.**

Art and architecture of the city from the fourteenth century to the fall of the Republic (1530) in relation to historical, social and economic conditions. — J. Beck.  
*Enrollment limited to 12 students.*  
*Not offered regularly. Not offered in 1980-1981.*  
*One course credit.*

## **W3960y. Roman Baroque Architecture.**

Bernini and Borromini. — H. Hibbard.  
*Not offered regularly. Not offered in 1980-1981.*  
*One course credit.*

## **96y. Arts of the Rococo.**

Painting, sculpture, and architecture of the first half of the eighteenth century in light of the international culture of Europe; emphasis on Watteau, Chardin, Meissonnier, Boffrand, Juvarra, Specchi, and Hawksmoor. — D. Nyberg.  
*Enrollment limited to 10 students.*  
*Offered in alternate years. Offered in 1981-1982.*  
*One course credit.*

## **W3930y. Victorian Art.**

Pre-Raphaelite Brotherhood and contemporaries such as Watts and Leighton. — A. Staley.  
*Not offered regularly. Not offered in 1980-1981.*  
*One course credit.*

## **W3970y. Art and Photography.**

History of photography, with emphasis on later 19th-century and early 20th-century art photographers, and on problems of the interrelation of photography and other visual arts.  
*Not offered regularly. Not offered in 1980-1981.*  
*One course credit.*

## **C3984y. Cézanne.**

Historical context, personal content, artistic sources, and stylistic development of Cézanne's art. Emphasis on the study of original works in New York museums. Oral and written reports.  
*Prerequisite: Junior standing, one course in 19th century art, and permission of the instructor required.*  
*Not offered regularly. Not offered in 1980-1981.*  
*One course credit.*

## **C3970y. Picasso.**

Historical context, personal content, artistic sources and stylistic development of Picasso's art. Emphasis on the study of original works in New York museums. — T. Reff.  
*Prerequisite: Junior standing, one course in 20th century art, and permission of the instructor.*  
*One course credit.*  
*M 2:10-4:00.*

## **93x. Fantasy Architecture, 1700 to the Present.**

Seminar topics chosen from among the many influential architect-dreamers affecting architectural works of Europe and America. Examples: Boullee, Ledoux, Pugin, Gaudi, Sant-Elia, Safdie, Soleri, Kahn. — D. Nyberg.  
*One course credit.*  
*M 11:00-12:50.*

## **98y. Social and Political Functions of Architecture.**

Religious architecture, funeral monuments, the architecture of kingship and of the French and American republics. — D. Nyberg.  
*Offered in alternate years. Offered in 1980-1981.*  
*One course credit.*  
*M 11:00-12:50.*



## **C3666y. Architecture since 1945.**

Recent architectural theory and design based upon primary source materials. The work of Frank Lloyd Wright, LeCorbusier, Aalto, Kahn, Venturi, Moore, Team 10, and such visionaries as Buckminster Fuller, Archigram, the Metabolists, Soleri, and others. — R. Bletter.

*Prerequisite: Course C 3833 or equivalent; junior standing and permission of the instructor.*

*Enrollment limited to 15 students.*

*Not offered regularly. Not offered in 1980-1981.*

*One course credit.*

## **C3986x. Art and Technology.**

Interaction between modern art and contemporary technology with emphasis on various movements including Futurism, Constructivism, the Bauhaus, De Stijl, Precisionism, Pop, and others. — G. Silk.

*Enrollment limited to 15 students.*

*Not offered regularly. Not offered in 1980-1981.*

*One course credit.*

## **71y. Problems of Style.**

The nature of style and of art historical periodization. Emphasis on recent abstract art. — J. Masheck.

*Enrollment limited to 15 students. Permission of the instructor required.*

*One course credit.*

*W 9:00-10:50.*

## **79y. Contemporary Art by Women.**

Issues of contemporary art by women, including the question: Is there a female style or sensibility in contemporary art? — Instructor to be announced.

*Enrollment limited to 15 students. Permission of the instructor required.*

*One course credit.*

*M 4:10-6:00.*

## **82y. The Literature of Art.**

Study of literary sources used in art historical research: artists' letters, journals and treatises (by Leonardo, Reynolds, Delacroix, Van Gogh, up to the present), contemporary biographies (Vasari), ideas and writings of leading critics and scholars (Baudelaire, Ruskin, Huizinga, Wölfflin, Worringer, Berenson, Fry, Panofsky, Gombrich, Read, Malraux, Kubler, Sontag). — B. Novak.

*Intended for junior majors, but also open to senior majors. Enrollment limited to 16 students.*

*Permission of the instructor required.*

*One course credit.*

*W 11:00-12:50.*

## **85x. Introduction to Connoisseurship.**

Factors involved in judging works of art, with emphasis on paintings: materials, deterioration, damage, restoration; attribution; replicas, copies, imitations, and fakes; questions of relative qua-

lity. Meetings at the Metropolitan Museum of Art. — K. Baetjer.

*Enrollment limited to 14 senior majors. Permission of the instructor required.*

*One course credit.*

*W 3:10-5:00.*

## **86y. Art Criticism.**

Workshop in writing criticism. Short weekly assignments on such matters as language, experience, narrative and the object; close examination of process. Students write art criticism based on their gallery visits and refer to current and previous criticism. — B. O'Doherty.

*Enrollment limited to 15 students.*

*One course credit.*

*M 11:00-12:50.*

## **C3974y. Seminar in Prints and Drawings.**

Technique, function, and stylistic development in Renaissance and Baroque drawings and prints. Students will study originals at the Cooper-Hewitt Museum, private collections, and dealers. — C. Andersson.

*One course credit.*

*Th 11:00-12:50.*

## **F3684y. Five Great Printmakers: Dürer, Rembrandt, Piranesi, Goya, Degas.**

Masters' prints are discussed in terms of subject matter, technique, and stylistic development. Firsthand study of originals in the Metropolitan Museum's collection with attention to connoisseurship. — C. Ives.

*Enrollment limited to 15 students.*

*One course credit.*

*Tu 5:30-8:00*

## **F3670x. Museum Studies: European Ceramics.**

Development of European pottery, stoneware, and porcelain, as exemplified at the Metropolitan Museum of Art. Gallery visits and specimens for handling are part of the experience. — C. Dauterman.

*Enrollment limited to 15 students.*

*One course credit.*

*Tu 5:30-8:00.*

## **99x, 99y. Independent Research for Seniors.**

Independent research, primarily for the senior essay, under a chosen faculty adviser and with the chairman's permission. — Staff.

*One course credit.*

*Hours to be arranged.*

## **C3901y. Senior Seminar in Architecture.**

Readings, individual class presentations, and written reports. — M. Mostoller.

*Open to architecture majors only.*

*One course credit.*

*W 11:00-1:00.*

# Art History

## STUDIO COURSES

A maximum of four courses of studio work may be credited. *Columbia courses or sections which offer only 2 points do not count for Barnard credit.* Students taking more than two courses of studio work are required to validate the additional credit courses with art history courses. Studio courses 3, 4, 5, 6, 7, 8, 10, and 12 are given at Barnard and no special permission is needed to take these courses. However, enrollment is limited and students must sign up. The remainder of studio courses are given at the School of the Arts, in Dodge Hall, and students may register for these only with written permission of the departmental representative. Classes are limited to 18 students. Students who wish to enter the Columbia courses listed below are required to apply for space in 305 Dodge Hall during the preregistration period prior to each term.

### **3x,4y. Studio Painting.**

Studio courses in painting with acrylic and oil; supplementary instruction in drawing and the use of color. Emphasis on individual development. — V. Barr.

*One course credit.*

*Tu 2:10-6:00.*

### **5x,6y,7x,8y. Painting.**

Basic skills developed by setting specific tasks to be executed in painting. Previous art training is not necessary. — M. Resnick.

*One course credit.*

*F 1:00-5:00.*

### **Architecture-Art History 10y. Freehand Drawing.**

Drawings from nature and architecture; spatial notations; image systems and their use; research in three dimensions. — R. Williams.

*One course credit.*

*M W 9:00-11:00.*

### **Architecture C 3103x. Freehand Drawing.**

Same as Course 10y. — R. Williams.

*One course credit.*

*Tu Th 9:00-11:00.*

### **Architecture-Art History 12y. Architectural Graphics.**

Introduction to a two- and three-dimensional graphics vocabulary with emphasis on measured drawing techniques and scale model construction. — L. Vinciarelli.

*One course credit.*

*Section I Tu Th 9:00-11:00.*

*Section II Tu Th 11:00-1:00.*

### **Architecture C3101x. Architectural Graphics**

Same as Course 12y. — L. Vinciarelli.

*One course credit.*

*Tu Th 11:00-1:00.*

### **Architecture-Art History 14y. Fundamentals of Architectural Design.**

Introduction to aspects of the design process in architecture. Vocabulary and tools used in translating ideas into the two- and three-dimensional model forms which ultimately represent the reality of building. — W. Schleicher-Woods.

*Designed for but not limited to sophomores. Permission of the instructor required.*

*One course credit.*

*Tu Th 2:10-4:10.*

### **Architecture C3201x. Elements of Architectural Design I.**

Workshop introduction to architecture; fundamental problems of enclosure design through simple exercises requiring drawings and models; lectures, discussions, and studio work. — R. Stern, W. Schleicher-Woods.

*Prerequisite or corequisite: Course 12 or C3101.*

*One course credit.*

*M W 9:00-11:50.*

### **Architecture C 3202y. Elements of Architectural Design II.**

Workshop continuation of Course C3201x. Field trips and lectures organized in relation to the work program. — R. Stern, W. Schleicher-Woods.

*Prerequisite: Course C 3202.*

*One course credit.*

*M W 9:00-11:50.*

### **Architecture C3211x. Intermediate Design I.**

Further exploration of the design process. Programs of considerable functional and contextual complexity are undertaken. — V. Caliandro.

*Candidates for admission to the course are chosen by interview during the spring term of the junior year. Eligible students are requested to consult the program adviser for Barnard College before April 1.*

*Prerequisites: Course C 3202 and the permission of the program adviser.*

*One course credit.*

*Tu Th 9:00-11:50.*

### **Architecture C 3212y. Intermediate Design II.**

Continuation of Course C3211. — J. James.

*Prerequisite: Course C 3211.*

*One course credit.*

*Tu Th 9:00-11:50.*

### **Drawing R1001x, R1002y. Drawing, I and II.**

Model fee: \$15.00 per term. — Staff.

*Enrollment limited to 18 students per section.*

*Permission of the instructor required.*

*One course credit.*

*Section I M W 9:00-11:50.*

*Section II M W 1:10-4:00.*

*Section III M W 7:10-10:00 p.m.*

*Section IV Tu Th 7:10-10:00 p.m.*

*(Autumn Term only)*



**Drawing R3001x, R3001y. Drawing, III.**

Model fee: \$15.00 per term. — A. Racz.

*Enrollment limited to 18 students. Permission of the instructor required.*

*One course credit.*

*M W 1:10-4:00.*

**Painting R1011x, R1012y. Painting, I and II.**

Model fee: \$20.00 per term. — Staff.

*Enrollment limited to 18 students per section.*

*Permission of the instructor required.*

*One course credit.*

*Section I M W 7:10-10:00 p.m.*

*Section II Tu Th 9:00-11:50.*

*Section III Tu Th 1:10-4:00.*

**Painting R3001x, R3002y. Painting, III and IV.**

Model fee: \$15.00 per term. — L. Goldin.

*Enrollment limited to 18 students. Permission of the instructor required.*

*One course credit.*

*Tu Th 9:00-11:50.*

**Printmaking R1041x, R1042y. Woodcut, I and II.**

Laboratory fee: \$25.00 per term. — A. Uchima.

*Enrollment limited to 18 students. Permission of the instructor required.*

*One course credit.*

*Tu Th 7:10-10:00 p.m.*

**Printmaking R1043x, R1044y. Intaglio, I and II.**

Laboratory fee: \$25.00 per term. — A. Harrison.

*Enrollment limited to 18 students. Permission of the instructor required.*

*One course credit.*

*Tu Th 9:00-11:50.*

**Printmaking R1045x, R1046y. Lithography, I and II.**

Laboratory fee: \$25.00 per term. — R. Blackburn.

*Enrollment limited to 18 students. Permission of the instructor required.*

*One course credit.*

*M W 7:10-10:00 p.m.*

**Printmaking R3001x, R3002y. Intaglio, III and IV.**

Laboratory fee: \$25.00 per term. — A. Harrison.

*Enrollment limited to 18 students. Permission of the instructor required.*

*One course credit.*

*Tu Th 1:10-4:00.*

**Sculpture R1021x, R1022y. Clay Modeling, I and II.**

Model fee: \$20.00 per term. — J. Linder.

*Enrollment limited to 18 students. Permission of the instructor required.*

*One course credit.*

*Tu Th 9:00-11:50.*

**Sculpture R1027x, R1028y. Welding, I and II.**

Laboratory fee: \$25.00 per term. — Staff.

*Enrollment limited to 18 students. Permission of the instructor required.*

*One course credit.*

*Section I Tu Th 9:00-11:50.*

*Section II Tu Th 1:10-4:00.*

**GRADUATE COURSES**

The following graduate lecture courses are open to qualified undergraduates. Permission of the instructor is required.

**G4075x. Art of Africa.**

Form and content of the traditional arts of various groups south of the Sahara. — D. Fraser.

*One course credit.*

*W 7:10-9:00 p.m.*

**G4259x. Greek and Roman Urbanism.**

Development of ancient cities in the classical world with reference to planning and the creation of urban centers and building types. — R. Brilliant.

*One course credit.*

*Tu 11:00-12:50.*

**G4331y. Russian Art.**

Survey of major periods of Russian painting from the rise of Kievan Russia to the Revolution and after. — A. Farkas.

*Reading knowledge of Russian helpful but not required.*

*One course credit.*

*Th 2:10-4:00.*

**G4114x. The Art of the T'ang Dynasty.**

Cosmopolitan styles of the T'ang period, as enriched by influences from the Near East, Central Asia, and India, including the impact of T'ang art on Korea and Japan. — R. Vinograd.

*One course credit.*

*Tu 2:10-4:00.*

**G4670y. Modern Spanish Art and Architecture.**

Outstanding contributions of 19th and 20th century Spain from Goya to Tapies; revivals, modernismo, Gaudi, and the modern movement in architecture; sculpture. — G. Collins.

*One course credit.*

*W 2:10-4:00.*

# Program in the Arts

Office: 204 Barnard Hall Annex

Telephone: 280-2952

This program is supervised by the Committee on the Program in the Arts:

**Professor of Art History**

Barbara Novak

**Professor of Dance**

Jeanette Roosevelt (Chairman)

**Professor of English (Writing)**

Barry Ulanov

**Professor of English (Theatre)**

Kenneth Janes

**Professor of Music**

Hubert Doris<sup>1</sup>

**Program Coordinator**

Deborah Birnbaum

**Advisers for the Concentrations**

|             |   |
|-------------|---|
| Dance       | Jeanette Roosevelt, 203 Barnard Hall Annex  |
| Music       | Hubert Doris (Spring Term), 409 Milbank Hall<br>Peter Schubert (Autumn Term), 508A Milbank Hall |
| Theatre     | Luz Castaños, 203 Milbank Hall  |
| Visual Arts | Joseph Masheck, 313 Barnard Hall  |
| Writing     | Barry Ulanov, 408D Barnard Hall   |

<sup>1</sup>Absent on leave, Autumn Term

The Program in the Arts is offered for a limited number of students who are gifted in one of the performing or studio arts and who wish both to continue the development of their skills and to obtain a liberal education. It is designed as an interdisciplinary major in the arts with concentration in one particular art. The program offers a general introductory course, a junior colloquium, and a senior seminar, as well as directed work in a field of concentration such as visual arts studio, music as a performing art, the dance in all its aspects, theatre as a performing art or as a discipline of literary scholarship, and writing in all its branches.

The Program draws upon the ample resources in the arts which New York City affords, both in opportunities for majors to study with master teachers and in bringing artists to the campus to work with students. Attendance at concerts and dance performances and visits to museums and galleries in the city allow a continuing interaction with the arts.

## REQUIREMENTS FOR THE MAJOR

Students are normally admitted to the Program in the Arts in their sophomore year, but freshmen who look forward to entering this major are strongly advised to take the introductory course in their freshman year and to seek the counsel of advisers in shaping their programs as early as possible. Admission is based upon application to be made before March 15 of the sophomore year. Applicants provide supporting evidence of their individual skills. There are broad general requirements and special ones in each of the disciplines, but each student's program is shaped individually.

Students accepted as majors may take classes with artist-teachers in New York City.



# Program in the Arts

Each student is required to take the three courses offered by the Program:

|         |                                 |
|---------|---------------------------------|
| Arts 1  | <i>Introduction to the Arts</i> |
| Arts 51 | <i>Junior Colloquium</i> and    |
| Arts 91 | <i>Senior Seminar</i>           |

In lieu of a senior thesis, majors in the Program offer an equivalent demonstration of mastery in the discipline: dancers present concerts; musicians perform solo recitals; theatre majors work as actors, designers, directors, or in a combination of these in a theatrical presentation; writers submit portfolios of stories or poems or both; visual artists hang shows of their work in Barnard's Little Gallery.

Requirements of the various concentrations within the Program are outlined in the following lists. A student should consult with the faculty member on the Committee who is responsible for the area in which her interest lies.

## REQUIREMENTS FOR THE MINOR

No minor is offered in the Program in the Arts.

## COURSES OF INSTRUCTION

### 1y. Introduction to the Arts.

An interdisciplinary presentation, with emphasis upon theories of style and performance. Interrelationship of the arts, their separate and common critical vocabularies, their borrowings from each other, their defining differences. Phenomenon of process in the arts, observed through 1) consideration of style in the various arts, 2) study of a crucial period in the history of the arts, and 3) consideration of major figures in the period, whose innovations in style or inventions in technique led to new forms of expression. — H. Doris, J. Roosevelt and guests.

*Subject for 1980-1981: The arts from 1890-1920.*  
*One course credit.*  
*Tu Th 10:35-11:50.*

### 51x. Junior Colloquium.

Critical and scholarly works in the history and traditions of the arts, selected to illuminate a particular theme each year. The aim of the colloquium is to develop skills in writing and discussion, and to equip students to deal with the special problems that accompany any examination of the arts on the interdisciplinary basis. — D. Chang.

*Theme for 1980-1981: The multiple meanings of "image" in the arts.*

*One course credit.*  
*Th 4:10-6:00.*

### 91x. Senior Seminar.

Contemporary issues in the arts, with reports and projects leading to a thesis or performance. Participating students are encouraged to work in groups, whenever their interests coincide or the logic of performance suggests such collaboration. — J. Roosevelt and guests.

*Theme for 1980-1981: Surrealism.*

*One course credit.*  
*Tu 4:10-6:00.*

### Courses required for the Dance concentration:

|               |  |
|---------------|--|
| Dance 61-62.  | <i>Dance Workshop I.</i>                                       |
| Dance 63.     | <i>Form in Dance Composition.</i>                              |
| Dance 64.     | <i>Content in Dance Composition.</i>                           |
| Dance 65, 66. | <i>History of Dance.</i>                                       |
| Dance 71-72.  | <i>Dance Workshop II.</i>                                      |
| Dance 74.     | <i>Seminar on Contemporary Choreographers and Their Works.</i> |

### Courses required for the Music concentration:

Any two of the following:

|              |                     |
|--------------|---------------------|
| Music V3124. | <i>History II.</i>  |
| Music V3125. | <i>History III.</i> |
| Music V3126. | <i>History IV.</i>  |

Plus the following courses if the student is not exempted from them upon entrance into the Program:

|                    |                           |
|--------------------|---------------------------|
| Music V2100-V2101. | <i>Theory I and II.</i>   |
| Music V2300-V2301. | <i>Theory III and IV.</i> |

### Courses required for the Theatre concentration:

|                   |  |
|-------------------|--|
| English 30.       | <i>Introduction to the Theatre (may be waived upon evidence of sufficient theatre background).</i> |
| English 33, 34.   | <i>Play Production</i>   |
| English 31 or 32. | <i>The Contemporary Theatre.</i>   |
| English 35 or 36. | <i>Actor's and Director's Interpretation of Dramatic Literature.</i>                               |

Dance Technique. One semester. (Dance composition may be substituted upon evidence of adequate prior training.)

Three courses in dramatic literature drawn from the following:

|                    |  |
|--------------------|--|
| Class. Lit. V3123. | <i>Greek Drama and its Influences.</i> |
|--------------------|--|

# Program in the Arts

|                   |  |
|-------------------|--|
| English 63 or 64. | <i>Shakespeare.</i>                                      |
| English 86.       | <i>Modern Drama.</i>                                     |
| French 34.        | <i>The French Theater of the Seventeenth Century.</i>    |
| Greek V3305.      | <i>Tragedy.</i>  |
| German 25.        | <i>German Prose and Drama from Büchner to Nietzsche.</i> |
| German 26.        | <i>Modern German Theater.</i>                            |

## Courses required for the Visual Arts concentration:

|                     |  |
|---------------------|--|
| Art History 1, 2.   | <i>Introduction to the History of Art.</i> |
| Art History 73, 74. | <i>Art from 1875 to 1975.</i>              |
| Art History 86.     | <i>Seminar in Art Criticism.</i>           |

A minimum of four studio courses, to be selected from offerings listed in the Barnard catalogue

## Courses required for the Writing concentration:

Four courses selected from the following:

|                 |  |
|-----------------|--|
| English 3, 4.   | <i>Structure and Style.</i>              |
| English 5, 6.   | <i>The Craft of Writing.</i>             |
| English 7, 8.   | <i>Experiments in Writing.</i>           |
| English 11, 12. | <i>Story Writing.</i>                    |
| English 13, 14. | <i>Dramatic Writing.</i>                 |
| English 93.     | <i>Literary Analysis and Evaluation.</i> |

Plus two advanced courses from any of the College departments of language and literature





# Biological Sciences

Office: 1006 Altschul Hall

Telephone: 280-2084

## Professors

William A. Corpe, Patricia L. Dudley (Chairman)

## Associate Professors

Philip V. Ammirato,<sup>1</sup> Frederick E. Warburton

## Assistant Professors

Julia Chase, Suzanne H. Hampton, Paul E. Hertz, Dennis Stevenson

## Laboratory Director

Ann V. Cederblad

Other officers of the University offering courses listed below:

## Professors

Sherman Beychok, Walter J. Bock, Wallace S. Broecker (Geological Sciences), John G. Hildebrand, Eric Holtzman, Cyrus Levinthal, Alexander A. Tzagoloff, Geoffrey L. Zubay

## Associate Professors

Alberto L. Mancinelli, Carol L. Prives, H. James Simpson, Jr. (Geological Sciences)

## Assistant Professors

John D. Harding, James A. Lewis, Catherine L. Squires, Maurice Zauderer

## Lecturer

Gail Arnold

<sup>1</sup>Absent on leave, Spring Term

Biology is a field which explores the structure, function, interactions, and evolution of living organisms. It includes the study of communities, populations, whole organisms, organs, tissues, cells, and subcellular components. Some of the most exciting issues of the day, such as those relating to ecological problems, genetic engineering, and environment and health, will require a strong background in biology. At Barnard the emphasis is on organismal biology. Courses cover the gross and fine structure, development, physiology, behavior, ecology, and evolution of organisms and populations of organisms. This approach is complemented by the molecular, biochemical, and neurobiological approach of the Columbia University department.

Many students specialize in this field in preparation for a career in medicine, dentistry, public health, or nutrition, while others anticipate graduate work in one of the many subfields of biology leading to a teaching and research career. Still others plan futures as biological or medical librarians, scientific illustrators or photographers, researchers in industry or government, or in environmental law.

Equipment available at Barnard includes an RCA 4B transmission electron microscope with accessory equipment (such as an ultramicrotome), photomicrographic and darkroom instruments, an Apple II computer, a scintillation counter, and an ultracentrifuge. The facilities include constant temperature rooms, darkrooms, an animal room, and a newly refurbished greenhouse. A Biology Club, originated and governed by students and sponsored by the department, presents seminars and film programs of interest.

Students are encouraged to do summer work in biological laboratories or field stations. Financial assistance for such work may be awarded to qualified students through the Edna Henry Bennett Memorial Scholarship Fund, the Herbert Maule Richards Fund, or the Donald and Nancy Ritchie Fund. The department maintains a folder of summer courses and research stations, and information on available funds can be obtained from the department chairman. Support for participation or assistance in the research of the Barnard faculty is available at times from research grants and such programs as the Merck Foundation grant on Women in Science and Technology.

# Biological Sciences

There is a laboratory fee of \$25.00 per laboratory course. Biology 1-2, or its equivalent, is a prerequisite for upper level courses in the department. Students who have passed the Advanced Placement examination with a grade of 4 or 5 are exempted from the general course, but will not receive course credit, and in any case should consult with the department before entering courses for which general biology is a prerequisite. Students may also take courses at Columbia University, including graduate courses; they should consult the Bulletin of the Graduate School of Arts and Sciences and their advisers before planning to take such courses.

## REQUIREMENTS FOR THE MAJOR

Students are encouraged to make a balanced selection of courses for the major, but no special concentration or track is required. Majors should consult their departmental advisers who are chosen at the end of the sophomore year.

A minimum of 8 numbered courses in biology is required; five of these courses must include laboratory work. Courses counting for the laboratory requirement are:

|   |   |
|---|---|
| Biology 1-2   | <i>General Biology</i>  |
| Biology 3   | <i>The Biology of Plants</i>  |
| Biology 5 with Biology 14   | <i>Introduction to Genetics with Laboratory in Genetics</i>           |
| Biology 7   | <i>Invertebrate Zoology</i>   |
| Biology 9   | <i>Vertebrate Embryology</i>  |
| Biology 10  | <i>Microbiology</i>   |
| Biology 12  | <i>Cytology</i>   |
| Biology 16 with Biology 18  | <i>Mammalian Physiology with Laboratory in Physiology</i>             |
| Biology 19  | <i>Population and Community Ecology</i>                               |
| Biology 24  | <i>Plant Development</i>  |
| Biology 28 with Biology 30  | <i>Comparative Histology with Laboratory in Comparative Histology</i> |
| Biology 34  | <i>Plant Physiology</i>   |
| Psychology 17   | <i>Physiological Psychology</i>                                       |
| either Biology 99x or y (if it includes laboratory work), Columbia biology courses with laboratory, and, with special permission of the chairman, laboratory courses from other colleges. |   |

Majors who are allowed the Advanced Placement exemption for Biology 1-2 must still take 8 biology courses with five laboratories.

Biochemistry may be used as one of the eight courses required for the major, and students may use one additional non-biology course such as Psychology 17 or 54, *Hormones and Reproductive Behavior*, or another course by special permission of the chairman.

Participation in a special project, Biology 99 is highly recommended. This course gives the student an opportunity to experience independent laboratory research. Both intra-departmental and extradepartmental projects require the approval of a member of the faculty in the department, who serves as sponsor (intradepartmental projects) or as cosponsor (extradepartmental projects). All projects must involve planning, experimentation and interpretation of results and all require a formal report, written in journal style. All extradepartmental projects receive pass or fail grades; intradepartmental projects may be graded P or F, or by a letter grade, at the option of the sponsor. Only one term may be counted toward the major; one additional term may be used as an elective.

The Graduate Record Examination or the Undergraduate Performance Examination is used as a major examination. To pass, the student must place above the 40th percentile for the GRE or the 50th for the UP. The scores are also used, together with grade point averages and faculty recommendations, to determine the recipients of departmental honors.



# Biological Sciences

A number of upper level biology courses require two years of chemistry (Chemistry 1, *General Chemistry*; 30 and 31, *Organic Chemistry I-II*; 32, *Intermediate General Chemistry*; and 38, *Quantitative and Instrumental Techniques Laboratory*). Entering freshmen who plan to major in biology are encouraged to take Chemistry 1 and 30 in their first year. Students interested in attending graduate or professional schools should also take at least two years of chemistry, and, in addition, one year of calculus and physics. Graduate work generally requires a knowledge of one or more modern foreign languages.

Students interested in the health sciences should register with the Pre-professional Office in their freshman or sophomore year and must take the MCAT exam in their junior year.

## REQUIREMENTS FOR THE MINOR

A minor in biology must have one year of general biology (two terms with laboratory), and three more advanced courses in biology, two of which must include laboratory work. Physics, Psychology, Chemistry, and Biochemistry majors need take only one advanced laboratory instead of two.

## BIOPSYCHOLOGY (interdisciplinary)

A major in biopsychology aims to provide a strong background in the biobehavioral sciences for students who plan to pursue a Ph.D. in Biopsychology or Psychobiology, and for whom research training is of prime concern, and for students planning to enter the health sciences. The program is jointly administered by the departments of Biological Sciences and Psychology. Students electing this track are exposed to traditional courses in Biology (e.g., genetics, physiology) and Psychology (e.g., learning), as well as to interdisciplinary courses (e.g., development and evolution of behavior, neurosciences) and research training in the laboratory setting.

## REQUIREMENTS FOR THE MAJOR

It should be noted that students may also arrange individualized interdisciplinary programs by taking a major in either Psychology or Biological Sciences and a minor in the other discipline, or by taking a double major.

A minimum of 12 courses in Biology and Psychology are required:

Biology 1-2 with laboratory;

One of the following combinations:

Biology 16 with Biology 18 and Psychology 19, *Physiological Psychology*  
or Biology 16 and Psychology 17;

Biology 5

*Introduction to Genetics*

Biology 22

*Animal Behavior*

One of the following courses:

Biology 9

*Vertebrate Embryology*

Biology W 3002y

*Introduction to Animal Structure and Function*

Biology 19

*Population and Community Ecology*

Biology 7

*Invertebrate Zoology*

Biology 8

*Physiological Ecology*

Biology-Chemistry C 3501x

*Biochemistry I*

Biochemistry G 4021x

*General Biochemistry*

Psychology 1

*Introduction to Psychology*

Psychology 5

*Psychology of Learning*

Psychology 9

*Statistics*

# Biological Sciences

Either Biology 99 or Psychology 99 or Psychology 91-92 in which the student will prepare a project;

If the project is taken in biology, one additional psychology course with laboratory; if project is taken in psychology, one additional biology course with laboratory;

Plus at least 7 cognate courses:

Chemistry 1  
Chemistry 30, 31  
Physics V 1003, V 1004

or

Physics V 1103, V 1104  
Mathematics  
Computer Science is optional.

*General Chemistry I*  
*Organic Chemistry I and II*  
*General Physics*

*General Physics*  
*One year calculus*

Students who wish to attend graduate or medical school are advised to take two semesters each of General Chemistry and Organic Chemistry.

## REQUIREMENTS FOR THE MINOR

There is no minor in Biopsychology.

## COURSES OF INSTRUCTION

### 1x-2y. General Biology.

Nature, development, and implications of biological knowledge; biochemical basis and energy relations of organisms; structure and function of cells; organization and physiology of plants and animals, with emphasis on integration and control; classical and molecular genetics; development and differentiation; evolution, ecology, and animal behavior. — 1: P. Ammirato; 2: P. Hertz.

*Enrollment in laboratory sections limited to 16 students per section.*

*One and one-quarter course credits.*

*Lecture M W F 9:00.*

*Laboratory Tu or Th 9:00-11:50, W or F 10:00-12:50, M, Tu, or Th 1:10-4:00, M, Tu, W, or Th 2:10-5:00.*

### 3y. The Biology of Plants.

Evolutionary, morphological, physiological, and ecological aspects of plants, with some attention to their historical, esthetic, and economic importance. — D. Stevenson.

*Prerequisites: Course 1-2 or equivalent, and permission of the instructor.*

*Enrollment limited to 48 students.*

*One and one-half course credits.*

*Lecture Tu Th 10:35-11:50.*

*Laboratory Tu or W 1:10-5:00.*

### 4x. Natural History of the New York Area.

Field observations of plants, fungi, birds, reptiles, amphibians, lower invertebrates and arthropods; methods of identification, collection, preservation; visits to a variety of ecosystems, both semi-wild and altered by man. — F. Warburton, J. Sanders, and instructor to be announced.

*Registration for course in Autumn.*

*Enrollment limited to ca. 15 students.*

*Field trips, laboratory, and discussions required.*

*One course credit.*

*Hours to be arranged (part given in Autumn and part in Spring term).*

### 5x. Introduction to Genetics.

Mendelian and quantitative genetics of plants, animals, and man; segregation, recombination, measurement of linkage, and genetics of continuous variation; cytogenetics; developmental genetics; population genetics and evolution. Human genetics emphasized where it exemplifies general principles. — F. Warburton.

*Prerequisites: Course 1-2 or the equivalent, calculus or statistics, or permission of the instructor.*

*Students interested in laboratory see Course 14.*

*One course credit.*

*Lecture Tu Th 10:35-11:50, plus one hour recitation and demonstration to be arranged.*

### 6y. Evolution.

Modern theory of evolution; genetic and ecological mechanisms which adapt organisms to their environments and increase the diversity of species. — F. Warburton.

*Prerequisite: Course 1-2 or equivalent.*

*Offered in alternate years. Offered in 1981-1982.*

*One course credit.*

### 7x. Invertebrate Zoology.

Invertebrate animals: comparative fine and gross structure, development, physiology and autecology; emphasis on marine invertebrates. Laboratory-demonstration includes a survey of major groups and an individual project on the ultrastructure, physiology, or ecology of an invertebrate animal. — P. Dudley.



*Prerequisites: Course 1-2 or the equivalent, and permission of the instructor.*

*A course in cell biology is recommended.*

*Enrollment limited to 32 students.*

*One and one-half course credits.*

*Lecture M W 11:00-12:15.*

*Laboratory/demonstration W or Th 1:10-5:00.*

## **8y. Physiological Ecology.**

Effects of selected physicochemical environmental factors on organisms in populations and communities; characteristics of major terrestrial and aquatic ecosystems; human influences on the environment. — P. Dudley.

*Prerequisites: A year of college-level biology and permission of the instructor.*

*A course in general chemistry is recommended.*

*Offered in alternate years. Offered in 1981-1982.*

*One course credit.*

## **9x. Vertebrate Embryology.**

Anatomy, morphogenesis, and differentiation of embryos of vertebrate animals: gametogenesis, fertilization, cleavage, gastrulation, and the morphogenetic and physiological events which occur during embryonic histogenesis and organogenesis. The laboratory includes comparative studies of the anatomy of embryos and experimental analysis of development. — S. Hampton.

*Prerequisites: Course 1-2 with laboratory or its equivalent with permission of the instructor.*

*Enrollment limited to ca. 40 students.*

*One and one-half course credits.*

*Lecture M W F 9:00.*

*Laboratory M or Tu 1:10-5:00.*

## **10y. Microbiology.**

General and applied aspects of microbiology; importance of microbes in aquatic, terrestrial and human environments. — W. Corpe.

*Prerequisites: A year of college biology, general chemistry, and permission of the instructor.*

*Enrollment limited to 24 students.*

*One and one-half course credits.*

*Lecture M W 9:00 plus 1 hour to be arranged.*

*Laboratory M W 1:10-3:00.*

## **12y. Cytology.**

Biology of cells: composition, development, and activities of cell walls, membranes, mitochondria, plastids, and chromosomes. Laboratory includes practice in fixation, sectioning, homogenization, smears, photomicrography, and specialized types of microscopy, including electron microscopy.

*Prerequisites: A year of college biology with laboratory, and permission of the instructor.*

*Enrollment limited.*

*Not offered in 1980-1981.*

*One and one-half course credits.*

## **14y. Laboratory in General Genetics.**

Exercises in the use of *Drosophila*, *Neurospora*, bacteria and bacteriophages to illustrate basic genetic principles and to investigate population genetics, linkage and recombination, and biochemical genetics; techniques used in human genetics and cytogenetics. — F. Warburton.

*Prerequisite: Course 5.*

*Enrollment limited to 12 students.*

*One-half course credit.*

*Tu 1:10-5:00.*

## **16y. Mammalian Physiology.**

Physiology of major organ systems; function and control of circulatory, respiratory, digestive, excretory, endocrine, and nervous systems in animals; emphasis on higher vertebrates and man. — J. Chase.

*Prerequisites: One course each in biology, physics, and organic chemistry or permission of the instructor.*

*One course credit.*

*M W F 12:00.*

## **18y. Laboratory in Physiology.**

May be taken concurrently with Course 16 (Mammalian Physiology), or following Course 16. — J. Chase.

*Corequisite or Prerequisite: Course 16.*

*Enrollment limited to 40 students.*

*One-half course credit.*

*Th or F 1:10-5:00.*

## **19x. Population and Community Ecology.**

Introduction to major concepts and issues in evolutionary ecology; emphasis on such topics as life history strategies, population growth, competition, predator-prey interactions, population regulation, species diversity, community organization, biogeography. Lectures integrate recent theory with observational and experimental data. — P. Hertz.

*Prerequisites: A year of college biology and permission of the instructor.*

*Calculus is recommended.*

*Enrollment limited to 32 students.*

*Offered in alternate years. Offered in 1980-1981.*

*One and one-half course credits.*

*Lecture Tu Th 10:35-11:50.*

*Laboratory Tu 1:10-5:00.*

## **22y. Animal Behavior.**

Introduction to animal behavior: physiological bases of behavior (sensory systems, neurophysiology of behavior, appetitive and reproductive behavior), traditional ethological approaches to behavior (communication, dyadic behavior, territoriality, dominance and aggression) and evolution of behavior (behavior genetics, ecological correlates, social behavior). — J. Chase.

# Biological Sciences

*Prerequisite: One year biology or one year psychology.*

*One course credit.*

*Tu Th 9:10-10:25.*

## **24y. Plant Development.**

Processes of growth, differentiation and organization in plants; major morphogenetic events in the transition from zygote to flowering plant; hormonal and environmental effects and mechanisms of action. Laboratory utilizes whole plant, organ and cell cultures. — P. Ammirato.

*Prerequisites: Course 1-2 or the equivalent, one semester of organic chemistry, and written permission of the instructor.*

*Enrollment limited to 16 students.*

*Offered in alternate years. Offered in 1982-1983.*

*One and one-half course credits.*

## **25y. Social Behavior of Animals.**

Major concepts of social behavior such as altruism, degrees of relatedness, parental investment strategies, the ecological correlates of social organization. Overview of dyadic behavior — sex, aggression, parental behavior, dominance, territoriality, and communication between animals — and social organization at different phylogenetic levels from invertebrates to man. — J. Chase.

*Prerequisite: Course 1-2 or permission of the instructor.*

*Not offered in 1980-1981.*

*One course credit.*

## **26y. History of Biology.**

Growth of biological knowledge and ideas to the time of Darwin and Pasteur, and the paths leading to modern genetics, developmental biology, and evolutionary theory since then, in relation to concurrent developments in technology, medicine, and other sciences; religious, political, and social influences on biological thought. Numerous excerpts from original biological writings will be examined. — F. Warburton.

*Prerequisites: Course 1-2 or the equivalent, and one advanced biology course.*

*Offered in alternate years. Offered in 1980-1981.*

*One course credit.*

*Tu Th 10:35-11:50.*

## **28y. Comparative Histology.**

Structural and physiological aspects of tissues and organs in vertebrate animals; advances in histological technology, correlations in light microscopic and electron microscopic studies of the structure of the basic types of tissues and their integration as organs, and modern concepts of function. — P. Dudley.

*Prerequisites: Course 1-2 or its equivalent, one of the following: Course 7, 9, 12 or W 3041, and permission of the instructor.*

*Enrollment limited to 35 students.*

*Offered in alternate years. Offered in 1980-1981. One course credit.*

*M W F 11:00.*

## **30y. Laboratory in Comparative Histology.**

Optional laboratory to be taken concurrently with Course 28. Correlated light microscopic and electron microscopic analyses of the structure of tissues and organs of vertebrate animals; demonstrations and practice in histochemical, light microscopic and electron microscopic techniques. — P. Dudley.

*Corequisite: Course 28. Permission of the instructor required.*

*Enrollment limited to 32 students.*

*Offered in alternate years. Offered in 1980-1981.*

*One-half course credit.*

*W or Th 1:10-5:00.*

## **34y. Plant Physiology.**

Processes of metabolism, nutrition, growth, and development of green plants: photosynthesis, respiration, nitrogen and intermediate metabolism, water and solute uptake and transfer, translocation, plant growth regulators, tropisms and nasties, photoperiodism, vernalization, dormancy, senescence and death. — P. Ammirato.

*Prerequisites: Course 1-2 or its equivalent, one term of organic chemistry and written permission of the instructor.*

*Enrollment limited to 32 students.*

*Offered in alternate years. Offered in 1981-1982.*

*One and one-half course credits.*

## **99x, 99y. Problems in Biology.**

Independent work planned to suit the needs of the student after consultation with the instructors. — Staff.

*Prerequisite: One year of general biology and permission of the instructor.*

*One course credit.*

*Hours to be arranged.*

## **C1007x. Introduction to Modern Biology.**

S. Beychok and C. Levinthal.

*One course credit.*

*M W F 11:00 plus 2 hours recitation to be arranged.*

## **C1208y. Introduction to Organismic and Evolutionary Biology of Animals.**

W. Bock.

*One course credit.*

*M W F 11:00.*

## **W3002y. Introduction to Animal Structure and Function.**

W. Bock.

*Two course credits.*

*Lecture M W F 9:00.*

*Laboratory M Tu W F 1:10-5:00, or M 6:10-10:00 PM (two 4-hour laboratories required).*



**W3004y. Biology of Nerve Cells.**

J. Hildebrand.

*One course credit.*

*M W 1:10-2:25 plus one hour to be arranged.*

**C3014x. Topics in Plant Biology.**

A. Mancinelli.

*Offered in alternate years. Offered in 1981-1982.*

**W3022x. Developmental Biology.**

J. Harding.

*One course credit.*

*M W F 11:00.*

**C3032y. Introduction to Genetics.**

C. Levinthal.

*One course credit.*

*M W F 1:10.*

**C3038x. Project Laboratory in Eucaryotic Genetics.**

J. Lewis.

*One and one-quarter course credits.*

*Laboratory M F 1:10-5:00 plus hours to be arranged.*

**W3040x. Laboratory in Cell and Developmental Biology.**

G. Arnold.

*One and one-quarter course credits.*

*Lecture Tu 12:30-1:20.*

*Laboratory Tu 2:10-6:00 or W 1:10-5:00. Additional hours either Tu 6:00-10:00 p.m., W 5:00-9:00 p.m. or F 1:00-5:00.*

**W3041y. Cell Biology and Physiology.**

E. Holtzman.

*One course credit.*

*Tu Th 11:00-12:30. Half-hour discussion periods follow most class sessions.*

**C3046y. Project Laboratory in Eucaryotic Gene Expression.**

C. Prives.

*One and one-half course credits.*

*Laboratory Tu Th 1:10-6:00 and additional hours to be arranged.*

**W3048x. Project Laboratory in the Photo-regulation of Biological Processes.**

A. Mancinelli.

*One and one-quarter course credits.*

*Laboratory M W F 2:00-5:00 plus additional hours to be arranged.*

**C3052y. Project Laboratory in Molecular Genetics.**

C. Squires.

*One and one-quarter course credits.*

*Laboratory Tu Th 1:00-5:00 plus additional hours to be arranged.*

**C3064y. Molecular Genetics.**

G. Zubay.

*One course credit.*

*Tu Th 10:35-11:50.*

**W3073x. Cellular and Molecular Immunology.**

M. Zauderer.

*One course credit.*

*Tu Th 9:10-10:25.*

**W3074y. Seminar and Laboratory in Cellular Immunology.**

M. Zauderer.

*One-half course credit.*

*Seminar and laboratory W 2:10-6:00.*

**C3094y. The Biosphere.**

A. Mancinelli.

*One course credit.*

*Tu Th 2:40-3:55.*

**Biology-Chemistry C3501x. Biochemistry I.**

S. Beychok and A. Tzagoloff.

*One course credit.*

*M W F 10:00 plus one hour recitation to be arranged.*

**Biology-Geology W 3092y. Urban Ecology.**

W. Broecker, H. Simpson, C. Levinthal.

*One course credit.*

*Tu Th 1:10-2:25.*

# Chemistry

Office: 802 Altschul Hall

Telephone: 280-3628

## Professor

Bernice G. Segal (Chairman)

## Visiting Professor

Donald W. Rogers

## Assistant Professors

Sally Chapman,<sup>1</sup> Barry M. Jacobson, Leslie Lessinger

## Lecturers

Grace W. King, Clara Wu

## Associates

Eva Gans, Julie Goodman, Barbara Goodstein, Olympia Jebejian, Helena Otsa, Lucille Palmer, David Philips

<sup>1</sup> Absent on leave, 1980-1981.

Chemistry is the study of the nature of substances and their transformations. In a three-year sequence of core courses, a chemistry or biochemistry major gains familiarity with the basic areas of the field: inorganic, organic, physical, and analytical chemistry. In addition, she acquires sufficient skill in the laboratory so that she is prepared for independent research.

Students who have taken an Advanced Placement course in secondary school may be given advanced placement and credit with scores of 4 or 5, if they present evidence of satisfactory laboratory experience.

The laboratories of the department are modern and well-equipped both for course work and for independent projects. Students may undertake independent research projects under the guidance of members of the department during the academic year or the summer; some student work has been published in chemical journals. Opportunities are also available for undertaking research projects with members of the staff of one of the many medical schools or research institutions in New York City, as well as with the Columbia faculty.

Students wishing to fulfill the minimum two year chemistry requirement for medical school should take Chemistry 1, *General Chemistry*; Chemistry 30 and 31, *Organic Chemistry I and II*; Chemistry 32, *Intermediate General Chemistry*; and Chemistry 38, *Quantitative and Instrumental Techniques Laboratory*.

The fee of \$28 per laboratory course covers the cost of non-returnable items, chemicals, and other consumable supplies, as well as reasonable breakage. In addition, students may be charged for excessive breakage.

## REQUIREMENTS FOR THE MAJOR

Two majors are offered by the department, in chemistry and biochemistry. The same major examination is required for both chemistry and biochemistry; there is no senior essay required for either.

### Chemistry

A student who is interested in chemistry should consult any member of the department during her freshman year. In the first year she should take Chemistry 1 and 30, and start or continue the study of calculus. It is then possible for her to fulfill the basic requirements for the major in three years and to take advanced courses in the senior year. After completing the undergraduate curriculum, students are encouraged to take graduate courses in chemistry or biochemistry at Columbia, and to undertake independent research projects.



Fourteen courses are required for the major:

|                  |  |
|------------------|--|
| Chemistry 1      | <i>General Chemistry</i>                                   |
| Chemistry 30, 31 | <i>Organic Chemistry I and II</i>                          |
| Chemistry 35     | <i>Modern Techniques of Organic Chemistry Laboratory</i>   |
| Chemistry 36     | <i>Introductory Thermodynamics and Kinetics</i>            |
| Chemistry 40     | <i>Quantitative and Instrumental Techniques Laboratory</i> |
| Chemistry 63     | <i>Atomic and Molecular Structure</i>                      |
| Chemistry 64     | <i>Applied and Statistical Thermodynamics</i>              |
| Chemistry 68     | <i>Advanced Chemistry Laboratory</i>                       |

(For 63 and 68, Chemistry 61 and Chemistry 70, which have the same titles but different structures, may be substituted.)

|                     |   |
|---------------------|---|
| Physics V1103-V1104 | <i>General Physics</i>                                |
| Mathematics         | Calculus, I, II, and III in any sequence (A, B, or C) |

Recommended: Calculus IV and an advanced inorganic chemistry course.

A list of major requirements, several possible course sequences, and information about the major examination may be obtained from any member of the department.

Students interested in taking Chemistry 99 should consult with individual faculty members about the research problems currently being investigated.

## Biochemistry

Eighteen courses are required for the major, of which 3 are electives.

Chemistry 1, 30, 31 and 40;

Chemistry 36 and 64 (or Chemistry V 3059-V 3060, *Introductory Physical Chemistry I and II*);

|                                     |                              |
|-------------------------------------|------------------------------|
| Biology 1, 2                        | <i>General Biology</i>       |
| Physics V 1003-V 1104               | <i>General Physics</i>       |
| Calculus I, II and III              |                              |
| Biology-Chemistry C 3501 and G 4502 | <i>Biochemistry I and II</i> |

Two advanced laboratory courses to be selected from an approved list of Biology and Chemistry courses; and

One advanced lecture course to be selected from an approved list of Biology and Chemistry courses.

A list of major requirements, including the courses from which the advanced laboratory and lecture electives are to be selected, and information about the major examination may be obtained from any member of the department.

## REQUIREMENTS FOR THE MINOR

Five courses are required for the minor: Chemistry 1, 30, 31, 33, and 38, plus one of the following three: Chemistry 32, 36, or V 3059.

# Chemistry

## COURSES OF INSTRUCTION

### 1x. General Chemistry I.

Particulate nature of matter in various states; chemical transformations of matter, especially of ionic substances; properties of gases and kinetic theory, solutions, equilibrium, oxidation-reduction reactions and thermochemistry; laboratory experience with both qualitative and quantitative techniques. — B. Segal, G. King and associates. *Prerequisite:* Algebra (Math SAT score of 550 for freshmen).

*Enrollment in laboratory sections limited to 192 students.*

*One and one-quarter course credits.*

*Lecture Tu Th 9:10-10:25.*

*Recitation one afternoon: M Tu W Th or F 1:10-2:00.*

*Laboratory same afternoon as recitation M Tu W Th or F 2:00-5:00 or Th 10:35-1:35, and if warranted by registration, Tu 10:35-1:35. Students in the morning lab must choose a M, Tu, or W recitation.*

### 2y. General Chemistry II.

Kinetics and mechanisms of chemical reactions; nuclear chemistry and radioactivity; atomic and molecular structure; chemistry of selected elements with attention to carbon; selected topics in environmental chemistry and biochemistry. — L. Lessinger, G. King and associates.

*Prerequisite:* Course 1 or permission of the instructor. *Students who have completed Course 30 or its equivalent may not subsequently receive credit toward the degree for Course 2.*

*Primarily for majors in fields other than science.*

*One and one-quarter course credits.*

*Lecture Tu Th 9:10-10:25.*

*Recitation and laboratory one afternoon Tu or W 1:10-5:00.*

### 30y. Organic Chemistry I.

Atomic and molecular structure; an introduction to aliphatic and aromatic chemistry with emphasis on modern theories: basic organic reaction mechanisms, stereochemistry and spectroscopy. Laboratory work stresses acquisition of basic techniques. — B. Jacobson and associates.

*Prerequisite:* Course 1 or equivalent.

*Laboratory normally required. Consult with instructor for exceptions.*

*One and one-half course credits.*

*Lecture Tu Th 9:10-10:25.*

*Laboratory one afternoon M Tu W Th or F 1:10-5:00.*

*Problem section W 12:00.*

### 31x. Organic Chemistry II.

Continued treatment of the topics of Organic Chemistry I with extensions and an introduction to biological compounds and bio-macromolecules. — B. Jacobson.

*Prerequisite:* Course 30. *Required for biology majors and premedical students.*

*One course credit.*

*M W F 10:00.*

*Problem section Tu 12:00.*

### 32y. Intermediate General Chemistry.

Selected aspects of general chemistry, primarily for premedical and biological science students without the background for Chemistry 36 or V3059. Thermochemistry, chemical equilibrium, chemical kinetics, complex ions and coordination compounds, and nuclear chemistry, with applications to analytical chemistry and biochemistry. — B. Segal.

*Prerequisite:* Course 1 and Organic Chemistry I. *Course 30 may be taken as a corequisite with permission of the instructor.*

*Optional parallel laboratory work: one afternoon under Course 38.*

*One course credit.*

*M W F 10:00.*

### 33x. Modern Techniques of Organic Chemistry Laboratory.

Introduction to qualitative and quantitative organic analysis and to advanced techniques, emphasizing instrumental and chromatographic methods. — B. Jacobson and associates.

*Prerequisite:* Course 30. *Corequisite:* Course 31. *Suitable for premedical and biological science students, but not required by all medical schools.*

*Enrollment limited to 12 students.*

*One-half course credit.*

*Lecture Th 1:10.*

*Laboratory one afternoon Tu 1:10-5:00 or F 1:10-5:00.*

### 35x. Modern Techniques of Organic Chemistry Laboratory.

Identical with Course 33, but with a library problem, a short project and additional preparative experiments. — B. Jacobson and associates.

*Prerequisite:* Course 30. *Corequisite:* Course 31. *Chemistry majors must take this course, but it is not required by medical schools.*

*Enrollment limited to 15 students.*

*One and one-quarter course credits.*

*Lecture Th 1:10.*

*Laboratory two afternoons Tu 1:10-5:00, Th 2:10-5:00 plus two additional hours to be arranged.*

### 36y. Introductory Thermodynamics and Kinetics.

Introduction to chemical kinetics, the laws of thermodynamics, and a study of ionic solutions and crystals. — B. Segal.

*Prerequisites:* Course 30, Calculus I and II, and preceding or parallel Physics V1103-V1104 and Calculus III. *Recommended parallel:* Course 40.



*One course credit.*

*Lecture Tu Th 9:10-10:25.*

*Problem section F 12:00.*

## **38y. Quantitative and Instrumental Techniques Laboratory.**

Quantitative techniques in volumetric analysis, radiochemistry, spectrophotometry, and pH measurement. Biochemical applications are included and some experience with computer programming is provided. — D. Rogers and associate.

*Prerequisite:* Course V3059 or *corequisite:* Course 32 or 36.

*Suitable for premedical and biological science students.*

*One-half course credit.*

*Lecture Tu 1:10.*

*Laboratory Tu 2:10-6:00 or Th 1:10-5:00.*

## **40y. Quantitative and Instrumental Techniques Laboratory.**

Identical with Course 38 except that a greater variety of experiments is offered, with more individual options. — D. Rogers and associate.

*Prerequisite:* Course V3059 or *Corequisite:* Course 32 or 36.

*Required of chemistry and biochemistry majors and suitable also for premedical and biological science students.*

*One course credit.*

*Lecture Tu 1:10.*

*Laboratory two afternoons Tu 2:10-6:00 and Th 1:10-5:00.*

## **V3059x. Introductory Physical Chemistry I.**

Thermodynamics, physical chemistry of solutions, chemical equilibria including acid-base equilibria, electrochemistry. — D. Rogers.

*Prerequisite:* Organic Chemistry II, Calculus I and II, and Physics V1103-V1104, or the equivalents.

*Intended for majors in biochemistry and biology, and premedical students.*

*Recommended laboratory:* Course 38 or 40.

*Lecture M W F 11:00.*

*Recitation hour W 12:00.*

## **V3060y. Introductory Physical Chemistry II.**

Kinetic theory, chemical kinetics, transport properties, surfaces, macromolecules, quantum chemistry, and spectroscopy. — W. Reinmuth.

*Prerequisite:* Course V3059 or permission of the instructor.

*One course credit.*

*M W F 11:00.*

## **61x. Atomic and Molecular Structure.**

Introduction to quantum chemistry and spectroscopy. — L. Lessinger.

*Prerequisite:* Course 30, Physics V1103-V1104, and Calculus III. Course 36 and Calculus IV are recommended.

*Lecture M W F 11:00.*

*Recitation hour Tu 12:00.*

## **63x. Atomic and Molecular Structure.**

Lectures of Course 61 plus laboratory experience with various types of spectroscopy. — L. Lessinger.

*Prerequisite:* Course 30, Physics V1103-V1104, and Calculus III. Courses 36, 40 and Calculus IV are recommended.

*One and one-half course credits.*

*Lecture M W F 11:00.*

*Laboratory W 1:00-5:00 and if warranted by registration M 1:00-5:00.*

*Recitation hour Tu 12:00.*

## **64y. Applied and Statistical Thermodynamics.**

Thermodynamics of real gases and solutions; phase equilibria; kinetic theory of gases; statistical thermodynamics, partition functions, equilibrium. — D. Rogers.

*Prerequisite:* Course 30, 36, Physics V1103-V1104, and Calculus III. Course 61 and Calculus IV are recommended.

*One course credit.*

*Lecture M W F 11:00.*

*Problem section M 12:00.*

## **65x. Advanced Chemistry Laboratory.**

Laboratory experience with various types of spectroscopy. Identical with the laboratory part of Course 63. — L. Lessinger.

*Prerequisite:* Course 61.

*One-half course credit.*

*W 1:00-5:00.*

## **68y. Advanced Chemistry Laboratory.**

Preparation and characterization of inorganic compounds; experiments in kinetics, spectroscopy, and electrochemistry using instrumental methods; some experience with computer programming is provided. — L. Lessinger and C. Wu.

*Prerequisite:* Course 36 or V3059, and Course 40 or equivalent. Course 35 is recommended.

*One-half course credit.*

*Lecture Tu 1:10.*

*Laboratory one afternoon M or W 1:10-5:00.*

## **70y. Advanced Chemistry Laboratory.**

Identical with Course 68 except that twice as many experiments are performed. — L. Lessinger and C. Wu.

*Prerequisite:* Course 36 or V3059, and Course 40 or equivalent. Course 35 is recommended.

*One-half course credit.*

*Lecture Tu 1:10.*

*Laboratory one afternoon M or W 1:10-5:00.*

# Chemistry

## **99x, 99y. Problems in Chemistry.**

Advanced individual laboratory projects for students who have completed the major requirements. — Staff.

*Prerequisite: Completion of major laboratory Courses 35 and 40. For some projects, Course 70 is also required. Permission of the instructor required.*

*One course credit.*

*Eight hours by arrangement.*

Attention is called to the following courses offered elsewhere in the University.

## **Biology-Chemistry C3501x. Biochemistry I.**

S. Beychok and A.A. Tzagoloff.

*One course credit.*

*M W F 10:00.*

## **Biology-Chemistry G4502y. Biochemistry II.**

J. Greer and instructor to be announced.

*One course credit.*

*Tu Th 9:10.*

## **Chemistry C3071y. Introduction to Inorganic Chemistry.**

W.G. Klemperer.

*One course credit.*

*M W F 9:00.*

## **Chemistry G4103x. Inorganic Chemistry.**

S.J. Lippard.

*One course credit.*

*Tu Th 9:10.*

## **Chemistry G4131x. Introductory Quantum Chemistry.**

R. Bersohn.

*One course credit.*

*Tu Th 10:35.*

## **Chemistry G4147x. Advanced Organic Chemistry.**

N.J. Turro.

*One course credit.*

*M W F 9:00.*

## **Chemistry G4170x. Biological and Biophysical Chemistry.**

C.R. Cantor.

*One course credit.*

*M W F 10:00.*





# Computer Science

Office: 406 Seeley W. Mudd

Telephone: 280-2736

Officers of the University offering courses listed below:

## University Professor

Samuel Eilenberg

## Professors

Theodore R. Bashkow, Jonathan L. Gross, Joseph F. Traub (Chairman), Stephen H. Unger

## Associate Professor

Ion S. Filotti

## Adjunct Associate Professor

Howard Eskin

## Assistant Professors

John B. Kam, Uri N. Peled, Salvatore J. Stolfo (Program Consultant, 606 Mathematics)

## Lecturers

Fred Cohen, Jacob Gielchinsky, E. Ward Klein

The spectrum of computer science ranges from the analysis of problems in a great variety of applications to the design of the machines that effect the solutions, and it includes all the linking steps between them. Computer scientists are interested not only in mathematics and engineering, but also in the sources of the problems, wherever they lie. Thus, although most recent graduates in Computer Science are now in computer science proper, either in industry or in graduate degree programs, many are in medical school, business school, or other such activities, planning to combine computer science with another strong interest in their careers.

The Computer Science curriculum has a double core, partially in areas with an immediate relationship to the computer, such as programming languages, compilers, operating systems, and computer architecture, and partially in theoretical computer science and mathematics. A broad range of upper level courses is available in topics such as artificial intelligence, computational complexity, and the analysis of algorithms, combinatorial methods, computer circuitry, data bases, mathematical models for computation, optimization, and software systems. Thus, students obtain the background to pursue their interests both in applications and in theoretical developments.

The Computer Center operates two interactive systems, making nearly 100 terminals available at convenient locations on the Columbia campus, including some dormitories, with PDP-11 and a DEC-20. It also operates a major research facility with an IBM 360/91 and a 360/75, available to students through an open batch system. In addition, a small but powerful minicomputer is available for faculty and student research. Most important computer languages are supported, including ALGOL, APL, BASIC, COBOL, FORTRAN, LISP, PASCAL, PL/I and SNOBOL. Additional equipment acquisitions are planned.

In addition to course work, students sometimes assist faculty members on research projects or on the development of software. Qualified majors often serve as consultants at the Computer Center.

There are several different introductory courses in computer programming. Students may elect only one of them for degree credit. This is usually W 1001, *Introduction to Computer Programming, A*. There is also an intermediate course for nonmajors or majors, W 3011, *Intermediate Computer Programming*. By taking one or both of these courses early in their college years, students are able to use the computer in their upper-level studies.

# Computer Science

## REQUIREMENTS FOR THE MAJOR

Students who plan a major in Computer Science should see the Program Consultant during the sophomore year.

A total of 13 courses are required for the major.

W 1001 or W 3011;

W 3203

Mathematics

*Introduction to Discrete Mathematics*

Calculus I and II (before the end of the sophomore year)

W 3131

*Data Structures*

W 3232

*Fundamental Algorithms*

W 3261

*Computability and Formal Languages*

E 3823

*Computer Structures I*

W 3202

*Finite Mathematics*

and four additional courses to be selected from computer science, mathematics, or statistics.

## REQUIREMENTS FOR THE MINOR

No minor is offered in Computer Science.

## COURSES OF INSTRUCTION

### **W1001x, W1001y. Introduction to Computer Programming, A.**

General introduction to computer programming; emphasis on learning to write programs to solve problems in familiar applications, such as payroll, computer-assisted instruction, ecology, library science, literary text analysis, cryptology, and game playing; rudiments of structured programming; BASIC. — S. Stolfo, J. Gross, F. Cohen.

*Laboratory fee: \$20.00.*

*One course credit.*

*Section I M W 1:10-2:25.*

*Section II M W 6:10-7:25 p.m.*

sorting and searching, hashing, garbage collection; storage management; rudiments of the analysis of algorithms. — I. Filotti.

*Corequisite: Course W 3203, W 3011 or W 3823.*

*One course credit.*

*Tu Th 9:10-10:25.*

### **W3202y. Finite Mathematics.**

Introduction to mathematical methods in the natural and social sciences; emphasis on the use of a computer in problem solving; truth tables, counting problems and probability, the solution of systems of linear equations, introduction to linear programming and the theory of antagonistic games. — U. Peled.

*Prerequisite: Course W 1001 or E 1801 or permission of the instructor.*

*Laboratory fee: \$20.00.*

*One course credit.*

*Tu Th 1:10-2:25.*

### **W3011x, W3011y. Intermediate Computer Programming.**

Continuation of introductory courses; simple record structures and file processing, in both advanced BASIC and PASCAL; systems of programs and files; modeling; round off error; elementary principles of machine language and assembly language coding. — Instructor to be announced.

*Prerequisite: Course W 1001 or E 1801.*

*One course credit.*

*Tu Th 6:10-7:25.*

### **W3203x, W3203y. Discrete Mathematics. (formerly E 3803)**

Inductive proofs of program correctness; computer representations of numbers, algebraic operations, and algebraic systems; computer representations of combinatorial systems, including graphs, partially ordered sets, and lattices; graph algorithms; propositional calculus and boolean algebra. — J. Gross.

*Prerequisite: Course W 1001, W 1003, E 1801, or E 1803.*

*One course credit.*

*M W 1:10-2:25.*

### **W3131x. Data Structures. (formerly G4301 or E3816)**

Data types and structure: arrows, stacks, singly and doubly linked lists, queues, trees, sets, and graphs; programming techniques for processing such structures: recursive programming, internal



**W3232y. Fundamental Algorithms. (formerly G4302)**

Continuation of Course W 3131. Pattern matching, lexical analysis, parsing, back-tracking, divide and conquer, generating combinatorial objects, graph searching, spanning trees, external sorting and searching, 2-3 trees, balanced trees, B-trees, files; elements of data base design; other topics as time permits. Analysis of algorithms is stressed throughout. — I. Filotti.

*Prerequisite:* Course W 3131.

*One course credit.*

*Tu Th 9:10-10:25.*

**W3261y. Computability and Formal Languages. (replaces G4101 and E4833)**

Formal models of computation and properties; Turing Machines, recursive functions; Church-Turing thesis; decidability and undecidability; recursively enumerable sets; concepts and properties of formal languages: regular, context-free, context-sensitive, phrase-structured; grammars; relationships to automata: finite state, push-down, linear bounded, Turing machines. — S. Eilenberg.

*Prerequisite:* Courses W 3131 and W 3203.

*One course credit.*

*Tu Th 2:40-3:55.*

**E3823x. Computer Structures I.**

Assembly and machine language programming techniques; data representation; introduction to machine organization and logic circuits. — T. Bashkow.

*Prerequisite:* Introduction to computer programming.

*One course credit.*

*Tu Th 1:10-2:25.*

**E3824y. Computer Structures II.**

Elements of computer design; logic design; subsystems, central processor, microprogram control, arithmetic units I/O organization, memories. — T. Bashkow.

*Prerequisite:* Course E 3823.

*One course credit.*

*Tu Th 1:10-2:25.*

**W4001x, W4001y. Fortran Programming. (formerly E 4811)**

General introduction to computer programming, emphasizing formulation of problems for solution by computer: loops, lists, matrices, sub-routes, program structure. Applications include searching, sorting, simulation. Computer terminals are available for student use. — E. Klein, J. Gielchinsky.

*Not open to students who have already received credit in W1001, E1801 or the equivalent.*

*One course credit.*

*x: M W 6:10-7:25.*

*y: W 6:30-9:00.*

**G4401x-G4402y. Numerical Analysis and Digital Computers.**

Modern theory and practice of computation on digital computers; design and analysis of numerical algorithms; techniques for analyzing computational complexity and errors; solution of non-linear equations, polynomial equations, linear systems, interpolation, approximation, eigenvalues and eigenvectors, optimization, ordinary and partial differential equations. — J. Traub.

*Prerequisite:* Knowledge of a programming language; some knowledge of differential equations and linear algebra is desirable.

*One course credit.*

*Tu Th 2:40-3:55.*

**G4801x. Mathematical Logic.**

Introduction to mathematical logic. Fundamental notions of set theory and recursion theory; detailed discussion of propositional and predicate logic: completeness, (un-)decidability, and theorem-proving. — Instructor to be announced.

*Prerequisite:* Permission of the instructor.

*One course credit.*

*Tu Th 6:10-7:25.*

**E4815x. Programming Languages and Translators I.**

Programming languages SNOBOL, LISP, and ALGOL; implementation of recursive functions, assemblers, and compilers; introduction to the formal description of languages and syntax-directed compilation. Students are required to write programs to be run on the equipment at the Computer Center. — H. Eskin.

*Prerequisite:* Course E 3823 or E 3814.

*Corequisite:* Course W 3131.

*One course credit.*

*M W 5:40-6:55.*

**E4817y. Programming Languages and Translators II.**

Continuation of Course E 4815. Techniques in computer language implementation; application of formal language theory to design of compilers; implementation of language features such as nested procedures, reentrancy and recursion; code optimization; run-time storage organization. — H. Eskin.

*Prerequisite:* Course E 4815.

*Corequisite:* Course W 3261.

*One course credit.*

*M W 5:40-6:55 p.m.*

**E4818x. Introduction to Operating Systems.**

Design and implementation of general purpose operating systems for digital computers: memory management, virtual memory, storage hierarchy evaluation, multiprogramming, process programming constructs, I/O device management, and file system implementation. Several operating systems, including OS/370 and UNIX, will

# Computer Science

be studied as examples. — J. Kam.

*Prerequisite:* Course E 3823 or E 3814.

*Corequisite:* Course W 3131.

*One course credit.*

*Tu Th 1:10-2:25.*

## **W4203x. Graph Theory.**

General introduction to graph theory, emphasizing algorithms; Eulerian and Hamiltonian paths and circuits, trees, shortest paths, minimum spanning trees; network flows and minimum cost flows, bipartite matchings and the marriage problem, optimal job assignments, and transportation problems. — U. Peled.

*Prerequisite:* Course W3202 or permission of the instructor.

*Corequisite:* Course W3203 or the equivalent.

*One course credit.*

*Tu Th 4:10-5:25.*

## **G4822y. Artificial Intelligence.**

This course is designed to give a senior level student a broad understanding of the basic techniques in use today for building intelligent computer systems. State-space representations, problem reduction, means-end analysis, and/or graphs. Heuristic searching: depth-first, breadth-first, best-first, hill-climbing, divide and conquer, minimax,  $\alpha$ - $\beta$ ; predicate calculus, resolution theorem proving, Horn clause theorem provers; AI systems and languages; goals and contexts; issues of knowledge representation; learning and concept formation; LISP programming; other topics as time permits. — S. Stolfo.

*Prerequisite:* Course W 3131.

*One course credit.*

*Hours to be arranged.*

## **E4852y. Software Laboratory.**

Large-scale software design methodology; construction of software tools; parallel programming; case study of a medium-scale operating system; team design and implementation of large-scale software projects. — J. Kam.

*Prerequisite:* Course E 4818.

*One course credit.*

*M 9:00-10:50.*



# Dance

Office: 204 Barnard Hall Annex

Telephone: 280-2995

## Professor

Jeanette Roosevelt (Chairman)

## Associate Professor

Sandra Genter

## Instructors

Janis Ansley, Sally Hess

## Lecturer

Tobi Tobias

## Associates

Cynthia Novack, Janet Soares

The Barnard Dance Department offers studio classes in modern dance, ballet, tap dance, and jazz. In addition, it offers skilled dancers the opportunity to perform in workshop presentations, in concerts, and in programs integrated with drama productions and those of other departments in the College. It sponsors symposia, master classes conducted by guest artists, and other special events. Interested students should confer with the dance faculty.

In keeping with the philosophy of liberal education, the dance course offerings aim to provide students with both conceptual and technical background in the craft of the art form today, as well as an understanding of its historical development. After graduation, a student interested in performance, choreography, or critical writing would continue to develop as an artist through the practice of the craft. Those interested in teaching, in dance therapy, in historical research, or in the specialized systems of dance notation would pursue further study in graduate school or in a special institute.

Students looking toward a career in dance performance or choreography should consult the announcement on the Program in the Arts, pages 90, and should discuss their plans with the department chairman as soon as possible.

## REQUIREMENTS FOR THE MAJOR (Program in the Arts)

Students wishing to major in Dance within the Program in the Arts are required to take the following twelve courses:

Arts 1 *Introduction to the Arts*  
Arts 51 *Junior Colloquium*  
Arts 91 *Senior Seminar*

Dance 61-62 *Dance Workshop I*  
Dance 63,64 *Dance Composition*  
Dance 65,66 *History of Dance*  
Dance 71-72 *Dance Workshop II*  
Dance 74 *Contemporary Choreographers and their Works*

## REQUIREMENTS FOR THE MINOR

A total of 6 courses to be selected in consultation with the department chairman are required for the minor. The selection must include three from courses 61-62, 63, 64, and 71-72; and three from courses 65, 66, 74 and 76.

# Dance

## COURSES OF INSTRUCTION

### 61x-62y. Dance Workshop I.

Studio work in advanced technique with readings and practice in functional anatomy for dancers and the application of Laban's effort-shape concepts to the study of movement description and dance style. Students read from assigned sources, participate in master classes, and keep journals. — S. Genter.

*Prerequisite: Advanced skill in dance technique. Permission of the instructor required.*

*One course credit.*

*M-F 12:00-1:30, plus individual consultation with the instructor.*

### 63x. Form in Dance Composition.

Development of dance form through the manipulation, according to formal composition principles, of rhythm, energy and design in movement. — J. Soares.

*Prerequisite: Facility in dance technique. Permission of the instructor required.*

*Enrollment limited to 12 students.*

*One course credit.*

*M W 1:30-3:00.*

### 64y. Content in Dance Composition.

Research in the source materials of dance composition and exploration of their uses in choreography, including gesture, movement texture, rhythmic structure, movement shape, and literary ideas. Emphasis on unity of style in the work of each student. — J. Soares.

*Prerequisite: Facility in dance technique. Permission of the instructor required.*

*Enrollment limited to 12 students.*

*One course credit.*

*M W 1:30-3:00.*

### 65x, 66y. History of Dance.

Survey of the development, history, aesthetics, and philosophy of dance. Autumn Term: dance as ritual, dance in antiquity, folk and ethnic dance forms, and dance in the theater of the East. Spring Term: ballet and modern dance from the Renaissance to the present time. — J. Roosevelt.

*One course credit.*

*M W F 11:00.*

### 71x-72y. Dance Workshop II.

Continued study in advanced technique, with additional independent projects in the analysis of dance technique, presented in monthly seminars in the Autumn Term, and the reconstruction and performance of works from the modern dance repertory through the use of Labanotation, videotape, and coaching from professional artists in the Spring Term. — J. Soares.

*Prerequisite: Course 61-62. Permission of the instructor required.*

*One course credit.*

*M-F 12:00-1:30. Repertory sessions to be arranged.*

### 74y. Contemporary Choreographers and Their Works.

Form, style, and content of selected contemporary choreographers. Sources include film, videotape, attendance at rehearsals and concerts, and interviews. — Staff.

*Offered in alternate years. Offered in 1981-1982.*

*One course credit.*

### 76y. Critical Writing on Dance.

Nineteenth and twentieth century dance criticism, with practice in writing descriptively about movement and in composing critical analyses of dance performances. — T. Tobias.

*Prerequisites: Course 65-66 or the equivalent, and permission of the instructor.*

*Enrollment limited to 15 students.*

*Offered in alternate years. Offered in 1980-1981.*

*One course credit.*

*M 4:10-6:00.*

## STUDIO DANCE COURSES

Courses listed below may be offered in fulfillment of the physical education requirement.

### Modern Dance

Technique of contemporary dance with particular emphasis on good alignment and an understanding of the principles of body movement; opportunities for experiments in improvisation and in creating movement phrases.

#### 30x, 30y. Beginning Modern Dance. (A)

*Section I M W 3:10-4:00. C. Novack.*

*Section II Tu Th 12:10-1:00. S. Hess.*

*Section III Tu Th 1:10-2:00. S. Hess.*

#### 31x, 31y. Low Intermediate Modern Dance. (B)

*Section I M W 10:35-12:00. S. Genter.*

*Section II Tu Th 10:35-12:00. S. Hess.*

#### 32x, 32y. Intermediate Modern Dance. (C)

*Section I M W 4:10-5:25. C. Novack.*

*Section II Tu Th 4:10-5:25. S. Genter.*

#### 33x, 33y. Advanced Modern Dance. (D)

*Section I M W 12:00-1:30. J. Soares.*

*Section II Tu Th 12:00-1:30. S. Genter.*

### Ballet

Technique of classical ballet.

#### 35x, 35y. Beginning Ballet. (A)

*Section I Tu Th 9:00-10:25. S. Hess.*

*Section II Tu Th 3:10-4:00. S. Genter*



**36x, 36y. Low intermediate Ballet. (B)**

*Tu Th 9:00-10:25. J. Ansley.*

*F 9:00-10:25. J. Ansley.*

**37x, 37y. Intermediate Ballet. (C)**

*M W 9:00-10:25. J. Ansley.*

*F 9:00-10:25. J. Ansley.*

**Jazz Dance**

Incorporation of ballet and modern dance technique in the distinctive style of jazz dance.

**38x, 38y. Jazz Dance.**

*Tu Th 2:10-3:00. (B,C) C. Novak.*

**Tap Dance**

Basic tap dance steps and dances of traditional tap styles, including buck, soft shoe, rhythm buck, and drum roll.

**46x, 46y. Beginning Tap Dance. (A)**

*x: M W 2:10-3:00. C. Novack.*

**47y. Intermediate Tap Dance. (B)**

*Offered in alternate years. Offered in 1981-82.*

**RELATED COURSES**

Students interested in dance will find the courses given below pertinent and should consult the departmental listings for course descriptions.

**English 33x-34y. Play Production.**

K. Janes and D. Parichy.

**Music 1x-2y. An Introduction to Music.**

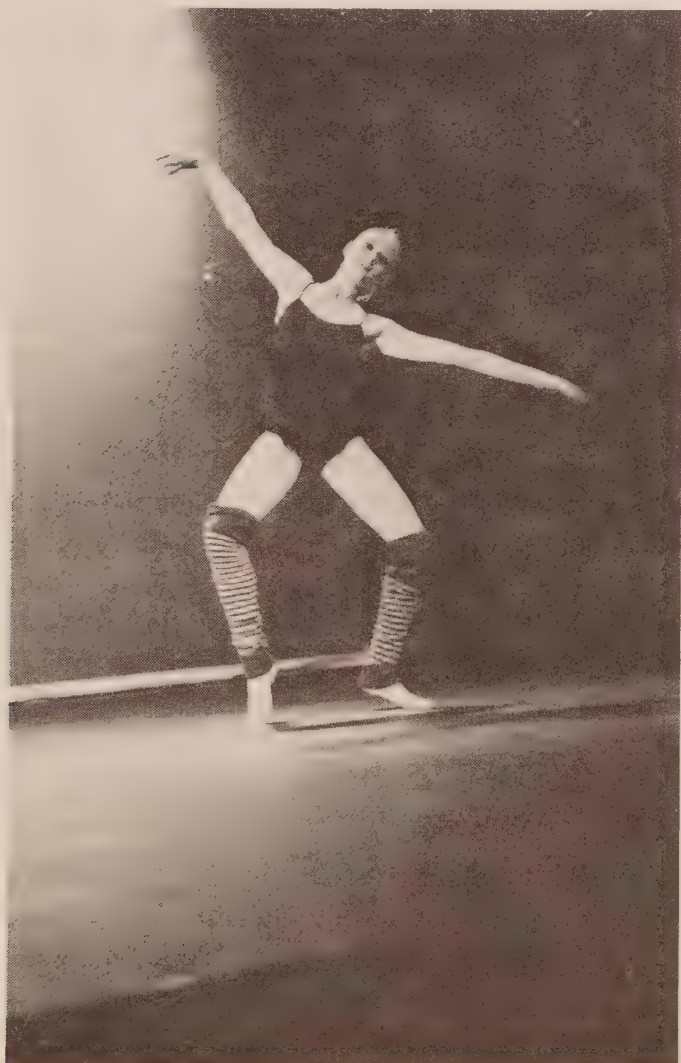
Staff.

**Philosophy V 3803y. Concept of Beauty.**

M. Mothersill.

**Program in the Arts 1y. Introduction to the Arts.**

H. Doris and J. Roosevelt.



# Economics

Office: 405 Lehman Hall

Telephone: 280-3454

## Professors

Duncan Foley (Chairman), Deborah Milenkovitch

## Visiting Professor

John Eatwell

## Adjunct Associate Professors

Arturo C. Porzecanski, Krishan G. Saini

## Assistant Professors

Alice Amsden,<sup>1</sup> Bettina Berch, Andre Burgstaller, Gregory DeFreitas, Sylvia Hewlett

## Instructors

Michael Holdowsky, Hillel Jaffe, Ronnie Lowenstein, Mary Rosenbaum, Andrew Senchak, Stephen Zuckerman

Other officers of the University offering courses listed below:

## Professors

Phillip D. Cagan, Alexander Erlich, Ronald E. Findlay, Kelvin J. Lancaster, Sidney Morgenbesser (Philosophy), Stanislaw Wellisz

## Associate Professor

James I. Nakamura

## Assistant Professors

James W. Albrecht, J.G. Altonji, Ralph Braid, Marie-Paule Donsimoni, Maurice Obstfeld, Martin J. Osborne, Rosalind Seneca, Robert A. Shakotko, John D. Wilson

## Adjunct Assistant Professors

Nelson Fraiman, Susan Previant Lee

<sup>1</sup>Absent on leave, Spring Term

The Department of Economics offers a broad course of study in economic theory and applied economics. The study of economics is an important foundation for a student's general understanding of modern history and society. The major programs in economics also prepare students for graduate work in economics, business, law, public administration, international relations and related fields, as well as for careers in business, finance, and government. The aim of the Barnard program is to foster a critical understanding of economics and its relations to other disciplines in the course of developing students' mastery of modern economic theory and tools of analysis.

There are two tracks for the major in economics, equal in rigor and number of courses required, but different in scope and focus. The track in Economics will prepare students with the analytical, mathematical, and economic tools now expected of entering graduate students in economics and useful for graduate study in related fields such as business. The track in Political Economy embraces some techniques of contemporary analysis but emphasizes the rediscovery of the roots and traditions of economic thought and focuses on interconnections between social forces, political institutions, and economic power. This track constitutes an excellent preparation for a variety of professional schools and careers.

For information regarding credit for Advanced Placement, students should consult the department chairman.



# Organization

- Julius S. Held, 1936-1970, Professor Emeritus of Art History  
Ph.D.
- Mirra Komarovsky, 1934-1970, Professor Emeritus of Sociology  
Ph.D.
- Emma Dietz Stecher, 1945-1971, Professor Emeritus of Chemistry  
Ph.D.
- Theodor H. Gaster, 1966-1972, Professor Emeritus of Religion  
Ph.D., D.D., L.H.D., Litt.D.
- Eleanor Rosenberg, 1953-1973, Professor Emeritus of English  
Ph.D.
- Raymond J. Saulnier, 1938-1973, Professor Emeritus of Economics  
Ph.D., LL.D.
- George Woodbridge, 1960-1973, Professor Emeritus of History  
Ph.D.
- Marion Hamilton Gillim, 1952-1974, Professor Emeritus of Economics  
Ph.D.
- Gladys Meyer, 1948-1974, Professor Emeritus of Sociology  
Ph.D.
- Basil Rauch, 1941-1974, Professor Emeritus of History  
Ph.D.
- John Kouwenhoven, 1946-1975, Professor Emeritus of English  
Ph.D.
- Richard Youtz, 1946-1975, Professor Emeritus of Psychology  
Ph.D.
- Joseph Gerard Brennan, 1947-1976, Professor Emeritus of Philosophy  
Ph.D.
- Helen Phelps Bailey, 1933-1977, Professor Emeritus of French  
Ph.D.
- Donald D. Ritchie, 1948-1979, Professor Emeritus of Biological Sciences  
Ph.D.
- Eleanor M. Tilton, 1950-1979, Professor Emeritus of English  
Ph.D.
- LeRoy C. Breunig, 1953-1980, Professor Emeritus of French  
Ph.D.

## Visiting Faculty

- Katherine B. Baetjer, 1980, Adjunct Associate Professor of Art History  
B.A., Radcliffe; M.A., Institute of Fine Arts, New York University
- Judith E. Bernstock, 1980, Visiting Assistant Professor in Art History  
B.A., Cornell; M.A., Ph.D., Columbia
- Ewert H. Cousins, 1974, Visiting Professor in Medieval & Renaissance Studies  
A.B., Spring Hill College; S.T.L., St. Louis University; Ph.D., Fordham
- Marshall Cohen, 1978, Visiting Professor of Philosophy  
B.A., Dartmouth; M.A., Harvard
- Ester F. Fuchs, 1980, Assistant Professor of Political Science  
B.A., Queens College; M.A., Brown

Barry Ulanov, 1951, Professor of English  
A.B., Ph.D., Columbia; Litt.D., Villanova

Joan E. Vincent, 1968, Professor of Anthropology  
B.Sc., London School of Economics; M.A., Chicago; Ph.D., Columbia

Frederick E. Warburton, 1963, Associate Professor of Biology  
B.Sc., M.Sc., Ph.D., McGill

Marcia L. Welles, 1970, Associate Professor of Spanish  
A.B., Barnard; M.A., Middlebury; Ph.D., Columbia

Suzanne F. Wemple, 1966, Professor of History  
A.B., University of California at Berkeley; M.L.S., Ph.D., Columbia

Katherine E. Wilcox, 1961, Associate in Education  
A.B., City College of New York

Christina L. Williams, 1980, Assistant Professor in Psychology  
B.A., Williams; Ph.D., Rutgers

Chilton Williamson, 1942, Professor of History  
A.B., M.A., Ph.D., Columbia

Richard Wojcik, 1976, Assistant Professor of Linguistics  
B.A., M.A., Ph.D., Ohio State

Kathryn B. Yatrakis, 1977, Instructor in Urban Studies and Political Science  
B.A., Cedar Crest; M.A., New York University; M.Phil., Columbia

Viviana A. Zelizer, 1978, Assistant Professor of Sociology  
B.A., Rutgers; M.A., M.Phil., Ph.D., Columbia

Leonard Zabler, 1955, Professor of Geography  
B.S., M.S., Washington State; Ph.D., Columbia

## Faculty Emeriti

Helen R. Downes, 1933-1960, Professor Emeritus of Chemistry  
Ph.D.

Amelia A. de del Rio, 1930-1962, Professor Emeritus of Spanish  
Ph.D.

Milicent C. McIntosh, 1947-1962, President Emeritus  
Ph.D., LL.D., Litt.D., L.H.D.

Thomas P. Peardon, 1923-1965, Professor Emeritus of Political Science  
Ph.D.

Lucyle Hook, 1948-1967, Professor Emeritus of English  
Ph.D.

Eugenio Florit, 1945-1969, Professor Emeritus of English  
D. en D.

Virginia D. Harrington, 1942-1969, Professor Emeritus of History  
Ph.D.

Jean T. Palmer, 1946-1969, General Secretary Emeritus  
A.B.

Henry A. Boorse, 1937-1970, Professor Emeritus of Physics and Dean Emeritus of the Faculty  
Ph.D.



# Organization

Gertrud M. Sakrawa, 1952, Associate Professor of German  
M.A., Columbia; Ph.D., Vienna, Columbia

John E. Sanders, 1969, Professor of Geology  
A.B., Ohio Wesleyan; Ph.D., Yale

Anatol K. Saprnow, 1966, Associate in Russian  
Russian Gymnasium, Belgrade

Marianna Greene Saprnow, 1967, Associate in Russian  
Russian Gymnasium, Munich

Frances Fuchs Schachter, 1972, Assistant Professor of Psychology  
A.B., Barnard; Ph.D., Rochester

Flora H. Schiminovich, 1977, Instructor in Spanish  
B.A., City College of New York; M.A., Hunter

Peter Schubert, 1970, Associate in Music  
A.B., M.A., Columbia

Alan Segal, 1980, Associate Professor of Religion  
B.A., Amherst; M.A., Brandeis; Ph.D., Yale.

Bernice Segal, 1958, Professor of Chemistry  
A.B., Radcliffe; Ph.D., Columbia

Mirella d'Ambrosio de Servodidio, 1964, Professor of Spanish  
A.B., Barnard; M.A., Ph.D., Columbia

Marvin Shulman, 1968-69; 1975, Associate in German  
B.A., Coe; M.A., Columbia

Rae Silver, 1976, Associate Professor of Psychology  
B.A., McGill; M.A., City University of New York; Ph.D., Rutgers

Janet Soares, 1968, Associate in Dance  
B.S., Juilliard; M.A., Columbia

Natalie Sonevitsky, 1959, Reference Librarian  
A.B., New Rochelle; M.S., Columbia

Quandra P. Stadler, 1970, Associate in English  
A.B., Antioch

Dennis Stevenson, 1980, Assistant Professor of Biology  
B.A., M.A., Ohio; Ph.D., University of California at Davis

Sandra Stingle, 1967, Assistant Professor of Psychology  
A.B., Barnard; Ph.D., Columbia

Howard M. Teichmann, 1946, Adjunct Professor of English  
A.B., Wisconsin

Patricia Terry, 1958, Adjunct Associate Professor of French  
A.B., Wellesley; M.A., Ph.D., Columbia

Janice Farrar Thaddeus, 1956, Assistant Professor of English  
A.B., Barnard; M.A., Ph.D., Columbia

Zoya A. Trifunovich, 1959, Associate in Russian  
B.S., M.A., Columbia

Mary Ellen Tucker, 1970, Acquisitions Librarian  
B.A., Barnard; M.L.S., Columbia

Margarita Ucelay, 1943, Professor of Spanish  
Bach. Instituto-Escuela de Madrid; M.A., Ph.D., Columbia

# Organization

- Richard A. Norman, 1954, Adjunct Professor of English  
A.B., George Washington; M.A., Ph.D., Columbia
- Cynthia Novack, 1978, Associate in Dance  
B.A., University of California at Berkeley
- Barbara Novak, 1958, Professor of Art History  
A.B., Barnard; M.A., Ph.D., Radcliffe
- David G. Nowak, 1979, Instructor in French  
B.A., M.A., Ph.D., Wisconsin
- Dorothea Nyberg, 1968, Associate Professor of Art History  
A.B., Toronto; M.A., Ph.D., New York University
- Stanley E. Nyberg, 1979, Assistant Professor of Psychology  
B.S., Massachusetts; Ph.D., State University of New York at Stony Brook
- Elaine H. Pagels, 1970, Professor of Religion  
A.B., M.A., Stanford; Ph.D., Harvard
- Remington P. Patterson, 1955, Professor of English  
A.B., M.A., Ph.D., Yale
- Marion R. Philips, 1945-55; 1958, Professor of Physical Education  
A.B., Hunter; M.A., Columbia
- Rolly Phillips, 1977, Assistant Professor of Greek and Latin  
A.B., Bryn Mawr; Ph.D., Harvard
- Marie-Claire Picher, 1979, Instructor in French  
B.A., Trinity; M.A., Middlebury
- Richard M. Pious, 1973, Associate Professor of Political Science  
B.A., Colby; Ph.D., Columbia
- Anne Lake Prescott, 1959-62; 1963, Professor of English  
A.B., Barnard; M.A., Ph.D., Columbia
- Martin Purvis, 1977, Assistant Professor of Physics.  
B.A., Yale; Ph.D., Massachusetts
- Nicholas Rango, 1978, Samuel R. Milbank Assistant Professor of Health and Society  
B.S., St. Louis; M.D., Northwestern
- David A. Robertson, Jr., 1940, Millicent Carey McIntosh Professor of English  
A.B., M.A., Ph.D., Princeton
- Jeanette Schlottmann Roosevelt, 1951-58; 1962, Professor of Dance  
B.S., M.A., Texas Women's University
- Jane H. Rosenthal, 1952-55; 1971, Assistant Professor of Art History  
A.B., Douglass; Ph.D., Columbia
- Marian L. Rosenwasser, 1975, Associate in Physical Education  
B.S., City College of New York; M.S., Massachusetts
- Abraham Rosman, 1966, Professor of Anthropology  
A.B., City College of New York; Ph.D., Yale
- Perla Rozencvaig, 1977, Instructor in Spanish  
B.A., M.A., Columbia
- Paula G. Rubel, 1965, Professor of Anthropology  
A.B., Hunter; Ph.D., Columbia
- Susan R. Sacks, 1971, Director of Education Program  
A.B., Northwestern; M.A., Western Reserve; Ph.D., Columbia



# Organization

Grace W. King, 1960, Lecturer in Chemistry  
A.B., Maine; Ph.D., Yale

Ruth M. Kivette, 1952, Professor of English  
A.B., Barnard; M.A., Ph.D., Columbia; B.D., Union Theological Seminary

Morton Klass, 1965, Professor of Anthropology  
A.B., Brooklyn; Ph.D., Columbia

Stephanie Krstulovic, 1962, Technical Services Librarian  
School of Commerce, Yugoslavia

Mairè J. Kurrik, 1968, Associate Professor of English  
A.B., Vassar; Ph.D., Harvard

James R. Larson, Jr., 1979, Assistant Professor of Psychology  
B.S., Seattle; M.S., Ph.D., University of Washington

Sue Howard Larson, 1969, Professor of Philosophy  
A.B., Ph.D., Stanford

Marina Ledkovsky, 1969, Professor of Russian  
Ph.D., Columbia

Lydia H. Lenaghan, 1962, Associate Professor of Greek and Latin  
A.B., Barnard; M.A., Ph.D., Bryn Mawr

Leslie Lessinger, 1977, Assistant Professor of Chemistry  
B.A., M.A., Ph.D., Harvard

Darline G. Levy, 1973, Assistant Professor of History  
A.B., Barnard; Ph.D., Harvard

Maristella de Panizza Lorch, 1951, Professor of Italian  
Dott. in Lett. e. Filos., Rome

Anne W. Lowenthal, 1977, Assistant Professor of Art History  
A.B., Brown; M.A., Ph.D., Columbia

Joseph L. Malone, 1967, Professor of Linguistics  
A.B., M.A., Ph.D., University of California at Berkeley

Joseph Masheck, 1961, Assistant Professor of Art History  
A.B., M.A., Ph.D., Columbia

Robert A. McCaughey, 1969, Professor of History  
A.B., Rochester; M.A., North Carolina; Ph.D., Harvard

John Meskill, 1960, Professor of Chinese and Japanese  
A.B., Harvard; Ph.D., Columbia

Deborah D. Milenkovich, 1965, Professor of Economics  
A.B., Radcliffe; Ph.D., Columbia

Barbara S. Miller, 1968, Professor of Oriental Studies  
A.B., Barnard; M.A., Columbia; Ph.D., Pennsylvania

Debra Lynn Miller, 1968, Assistant Professor of Political Science  
B.A., University of California; Ph.D., Harvard

Kathleen Moore, 1976, Associate and Track Coach in Physical Education  
B.A., Michigan; M.A., Columbia

Joann Ryan Morse, 1957, Professor of English  
A.B., Vassar; M.A., Yale

Mary Mothersill, 1963, Professor of Philosophy  
A.B., Toronto; M.A., Ph.D., Radcliffe

- Renée Geen, 1956, Professor of French  
A.B., Brooklyn; M.A., Wisconsin; Ph.D., Columbia
- Sandra Genter, 1961, Assistant Professor of Dance  
A.B., Wisconsin; M.A., Columbia
- Enrique A. Giordano, 1974, Assistant Professor of Spanish  
M.A., Ph.D., Pennsylvania
- Rebecca Goldstein, 1976, Assistant Professor of Philosophy  
A.B., Barnard; Ph.D., Princeton
- Daniel R. Grayson, 1976, Assistant Professor of Mathematics  
B.S., M.S., Chicago; Ph.D., Massachusetts Institute of Technology
- Marjorie N. Greenberg, 1978, Associate in Physical Education and Director of Athletics  
B.S., Douglass; M.A., Columbia
- Tatiana Greene, 1946, Professor of French  
Candid. en Droit, Brussels; M.A., Ph.D., Columbia
- Dorothy T. Gregory, 1977, Assistant Professor of Modern Greek  
B.A., M.A., M.Phil., Ph.D., Columbia
- Richard F. Gustafson, 1965, Professor of Russian  
A.B., Yale; Ph.D., Columbia
- Suzanne Hampton, 1980, Assistant Professor of Biology  
B.A., Drew; M.S., Tulane; Ph.D., University of Texas
- Elizabeth Hardwick, 1965, Adjunct Professor of English  
A.B., M.A., Kentucky
- John Harer, 1980, Assistant Professor in Mathematics  
B.A., Haverford; Ph.D., University of California Berkeley
- Marilyn Harran, 1976, Assistant Professor of Religion  
B.A., Scripps; M.A., Ph.D., Stanford
- Giselle Harrington, 1972, Associate in Education  
A.B., Syracuse; M.A., Columbia
- Paul Hertz, 1979, Associate Professor of Biology  
B.S., Stanford; M.A., Ph.D., Harvard
- Sylvia A. Hewlett, 1974, Assistant Professor of Economics  
B.A., M.A., Cambridge; Ph.D., London
- Toby Berger Holtz, 1971, Lecturer in Geography  
A.B., Barnard; M.A.T., Harvard; Ed.D., Columbia
- David C. Hoy, 1977, Associate Professor of Philosophy  
B.A., Ph.D., Yale
- Barry M. Jacobson, 1974, Assistant Professor of Chemistry  
B.A., Chicago; Ph.D., Harvard
- Kenneth H. Janes, 1961, Professor of English and Director of Minor Latham Playhouse
- Peter H. Juviler, 1964, Professor of Political Science  
B.E., M.E., Yale; M.A., Ph.D., Columbia
- Tatiana Keis, 1967, Reserve Room Librarian  
A.B., M.L.S., Columbia
- George W. Kelling, 1972, Assistant Professor of Psychology  
B.A., Ph.D., Colorado



# Organization

Joy Chute, 1964, Adjunct Professor of English

Marcelo Coddou, 1975, Associate Professor of Spanish  
M.A., Chile; Ph.D., Madrid

Elizabeth Corbett, 1969, Circulation Librarian  
S.M., Simmons

William A. Corpe, 1956, Professor of Biology  
A.B., M.A., Wisconsin; Ph.D., Pennsylvania State

James Crapotta, 1975, Assistant Professor of Spanish  
B.A., Queens; M.A., Ph.D., Harvard

Mary Curtis, 1979, Associate and Volleyball Coach in Physical Education  
B.S., Western Montana College; M.A., University of Iowa

Dennis G. Dalton, 1969, Professor of Political Science  
A.B., Rutgers; M.A., Chicago; Ph.D., London

Elizabeth Dalton, 1965, Assistant Professor of English  
A.B., California; M.A., Ohio State; Ph.D., Columbia

Flora S. Davidson, 1973, Assistant Professor of Political Science  
A.B., Barnard; M.Phil., Ph.D., Columbia

Gregory Defreitas, 1980, Assistant Professor in Economics  
B.A., Stanford; M.A., M.Phil., Ph.D., Columbia

Marjorie Housepian Dobkin, 1957-59; 1960, Associate in English  
A.B., Barnard; M.A., Columbia

Hubert Doris, 1957, Professor of Music  
A.B., Harvard; M.A., Columbia

Julie Doron, 1977, Assistant Professor of Psychology  
B.A., Cornell; M.A., M.Phil., Ph.D., Columbia

Patricia L. Dudley, 1959, Professor of Biology  
A.B., M.A., Colorado; Ph.D., Washington

Joan Dulchin, 1980, Director and Lecturer in Experimental Studies.  
A.B., Barnard; Ph.D., Columbia

Lois A. Ebin, 1969-76; 1978, Associate Professor of English  
A.B., Smith; M.A., Ph.D., Columbia

Hester Eisenstein, 1970, Senior Lecturer in Experimental Studies.  
A.B., Radcliff; M.A., Ph.D., Yale.

Duncan K. Foley, 1977, Professor of Economics  
B.A., Swarthmore; Ph.D., Yale

Helene Peet Foley, 1979, Assistant Professor of Greek and Latin  
B.A., Swarthmore; M.A.T., M.A., Yale; Ph.D., Harvard

Jean E. Follansbee, 1979, Associate in Physical Education  
B.S., State University of New York at Cortland; M.S., University of Massachusetts

Hillel Fradkin, 1979, Assistant Professor of Religion  
A.B., Cornell; Dipl., Defense Language Institute; Ph.D., Chicago

Richard M. Friedberg, 1968, Professor of Physics  
A.B., Harvard; M.A., Ph.D., Columbia

Serge Gavronsky, 1960, Professor of French  
A.B., M.A., Ph.D., Columbia

# Organization

- Bernard Barber, 1952, Professor of Sociology  
A.B., M.A., Ph.D., Harvard
- Victoria F. Barr, 1967, Visiting Artist in Art History  
B.F.A., Yale
- Annette K. Baxter, 1952, Adolph S. and Effie Ochs Professor of History  
A.B., Barnard; M.A., Smith, Radcliffe; Ph.D., Brown
- Alfred Bendixen, 1979, Assistant Professor of English  
B.A., State University of New York at Binghamton; M.A., Ph.D., North Carolina
- Bettina Berch, 1975, Assistant Professor of Economics  
B.A., Barnard; Ph.D., University of Wisconsin
- Joan S. Birman, 1973, Professor of Mathematics  
A.B., Barnard; M.A., Columbia; Ph.D., New York University
- Jeffrey M. Blustein, 1974, Assistant Professor of Philosophy  
A.B., Minnesota; Ph.D., Harvard
- Vilma Bornemann, 1971, Registrar and Associate in Spanish  
A.B., Barnard; M.A., Columbia
- Anne Boyman, 1979, Instructor in French  
B.A., M.A., Ph.D., Toronto
- Brigitte L. Bradley, 1962, Professor of German  
A.B., William and Mary; D. d'Université, Strasbourg; M.A., Ph.D., Columbia
- Lila Ghent Braine, 1974, Professor of Psychology  
B.A., M.A., Ph.D., McGill
- Joel P. Brereton, 1974, Assistant Professor of Religion  
B.A., Kenyon; M.Phil., Ph.D., Yale
- Semyon I. Brover, 1979, Associate and Fencing Coach in Physical Education  
Dipl., Kharkov Pedagogical Institute
- Andre C. Burgstaller, 1977, Assistant Professor of Economics  
Licence, University of Geneva; M.A., Toronto; Ph.D., Columbia
- Lynda J. Calkins-McKenna, 1979, Associate and Swimming Coach in  
Physical Education,  
B.A., Adrian College; M.S., University of Massachusetts
- Demetrios Caraley, 1961, Professor of Political Science and Janet H. Robb Professor of the  
Social Sciences  
A.B., Ph.D., Columbia
- Patricia Carpenter, 1961, Professor of Music  
A.B., California; Ph.D., Columbia
- Luz Castaños, 1976, Associate in Theatre  
A.B., M.A., Hunter
- Elizabeth Louise Caughran, 1956, Associate in English  
A.B., Russell Sage; M.A., Columbia
- John W. Chambers, 1972, Assistant Professor of History  
B.S., Temple; M.A., San Francisco State; Ph.D., Columbia
- Sally Chapman, 1975, Assistant Professor of Chemistry  
A.B., Smith; Ph.D., Yale
- Julia Chase, 1976, Assistant Professor of Biological Sciences  
A.B., Smith; Ph.D., Indiana



**W 4204y. Political and Ecclesiological Thought, 1050-1350.**

J. Mundy.

*One course credit.*

*Tu Th 4:10-5:25.*

**W 4506x. Medieval Jewish History: From the Geonic Period to the Spanish Expulsion.**

Y. Yerushalmi.

*One course credit.*

*Tu Th 10:35-11:50.*

**W 3225y. The Italian Renaissance.**

E. Rice.

*One course credit.*

*M W F 11:00.*

**W 3289y. England, 1450-1688.**

J. Bean.

*One course credit.*

*Tu Th 1:10-2:25.*

**W 1150x, W 1151y. Introduction to the History of Europe: From the Renaissance to the Present Day.**

x: E. Rice; y: E. Malefakis.

*One course credit.*

*M W 6:10 plus a third hour to be arranged.*

**W 3212x. The Expansion of Europe, 1415-1715.**

G. Irwin.

*One course credit.*

*Tu Th 10:35-11:50.*

**W 4533y. Early Modern Jewish History: From Spanish Expulsion to French Emancipation.**

Y. Yerushalmi.

*One course credit.*

*Tu Th 10:35-11:50.*

**11x. Main Currents of the Modern European World: Renaissance to the French Revolution.**

Forces — cultural, social, political, economic — which established modern Europe and brought it into contact with the rest of the world. — Instructor to be announced.

*One course credit.*

*M W F 11:00.*

**25x. Establishment and Downfall of the French Monarchy: 1515-1789.**

Cultural, intellectual, political, social, and economic developments that brought into existence the monarchy of Louis XIV and led to its collapse. — D. Levy.

*Not offered regularly. Not offered in 1980-1981.*

*One course credit.*

**35x. European Intellectual History: 1600-1789.**

Social, political, economic, religious, and scientific thought and the arts in Europe from the

post-Reformation period through the Age of the Enlightenment. — D. Levy.

*Not offered regularly. Not offered in 1980-1981.*

*One course credit.*

**12y. Main Currents of the Modern European World: The French Revolution to Today.**

French Revolution, nineteenth-century industrial revolutions, romanticism, liberalism, nationalism, socialism, and imperialism, and twentieth-century wars, revolutions, dictatorships, and aspirations. — Instructor to be announced.

*One course credit.*

*M W F 11:00.*

**W 3204x. The Age of Revolutions, 1789-1870.**

I. Deak.

*One course credit.*

*Tu Th 4:10-5:25.*

**W 3216y. European Intellectual History, 1790-1848.**

L. Dickey.

*One course credit.*

*Tu Th 10:35-11:50.*

**W 3223x. The Political Culture of Modern Britain, 1760 to the Present.**

S. Koss.

*One course credit.*

*M W 2:40-3:55.*

**26y. France in Turmoil: 1789 to Today.**

Cultural, intellectual, political, social, and economic developments that have kept France in turmoil from the French Revolution to Charles de Gaulle. — D. Levy.

*Not offered regularly. Not offered in 1980-1981.*

*One course credit.*

**W 4154y. France since 1848.**

R. Paxton.

*One course credit.*

*M W 4:10-5:25.*

**W 4526x. Jews and Revolution, 1789-1930.**

P. Hyman.

*One course credit.*

*M W 1:10-2:25.*

**W 4528y. Jews in France from the Revolution to the 20th Century.**

P. Hyman.

*One course credit.*

*M W 1:10-2:25.*

**W 4428x. The Habsburg Monarchy, 1815-1918.**

M. Glettler.

*One course credit.*

*Tu Th 1:10-2:25.*

# History

## **W 3205x. European Politics and Society, 1870-1919.**

D. Crew.

*One course credit.*

*Tu Th 10:35-11:50.*

## **W 3206y. Europe since 1919.**

F. Stern.

*One course credit.*

*Tu Th 2:40-3:55.*

## **W 4318y. Problems of Nationalism in Western and Eastern Europe since 1918.**

M. Glettler.

*One course credit.*

*M W 4:10-5:25.*

## **19x. European Diplomacy: 1914-1939.**

Origins and impact of the First World War; "new diplomacy" and peace settlements; emergence of new political systems; attempts to attain stability in the twenties; collapse of the thirties. — Instructor to be announced.

*One course credit.*

*Tu Th 10:35-11:50.*

## **20y. The Second World War and the Recovery of Europe: 1939 to Today.**

Second World War and its legacy; United Nations; rival groups and Cold War; the new place of Europe in the world. — Instructor to be announced.

*One course credit.*

*Tu Th 10:35-11:50.*

## **W 4310x. Survey of Russian History, 1613-1855.**

M. Raeff.

*One course credit.*

*M W 4:10-5:25.*

## **W 4311y. History of Russia, 1855-1921.**

S. Fitzpatrick.

*One course credit.*

*Tu Th 4:10-5:25.*

## **W 4518x. History of the Jews in Eastern Europe to the Partitions of Poland.**

M. Stanislawski.

*One course credit.*

*M W 9:10-10:25.*

## **W 4519y. History of the Jews in Eastern Europe from the Polish Partitions to the Russian Revolution.**

M. Stanislawski.

*One course credit.*

*M W 10:35-11:50.*

## **W 4361x. History of Soviet Russia.**

S. Fitzpatrick.

*One course credit.*

*Tu Th 2:40-3:55.*

## **SEMINARS. ANCIENT, MEDIEVAL, AND MODERN EUROPEAN HISTORY**

### **1y. Introductory Seminar: History and Psychoanalysis.**

Problems in applying concepts of depth psychology to historical interpretation. — D. Levy.

*Primarily for freshmen and sophomores. Admission by written permission of the instructor.*

*Offered in alternate years. Not offered in 1980-1981.*

*One course credit.*

### **W 3985x. Introduction to World History.**

Non-chronological comparative analysis of basic social and economic structures, cultural patterns, and political systems, primarily in Europe and Asia. Interrelationships between religion and politics. — E. Malefakis.

*Permission of the instructor required.*

*One course credit.*

*W 4:10-6:00.*

### **W 3579y. Greek Historiography.**

Herodotus, Thucydides, the Alexander historians. — W. Harris.

*One course credit.*

*Tu 11:00-12:50.*

### **W 3914x. The Greek City-State.**

Ancient Greek political and philosophical beliefs concerning the institution of the city-state and interstate relations from the Archaic period to the subjugation of Greece by the Romans. — R. Bauslaugh.

*One course credit.*

*M 2:10-4:00.*

### **W 3913x. Roman Imperialism.**

Ethos of the aristocratic Roman state in the period of Republican expansion, economic aspects of war and imperialism, concepts of the just war and the defensive war, Roman methods of control, Roman citizenship, and failure of the expansionistic impulse. — W. Harris.

*One course credit.*

*Tu 11:00-12:50.*

### **2y. Introductory Seminar: Law and Society in the Middle Ages.**

Permutations of law in the context of early medieval and feudal judicial systems and family law. Introduction to research in the history of Roman, Germanic and feudal codes. — S. Wemple.

*Enrollment limited to 15 students.*

*Not offered regularly. Not offered in 1980-1981.*

*One course credit.*

### **6x. The History of Women in the High Middle Ages.**

Origins of the legal and social position of women in medieval society as reflected in patristic writ-



ings, and Roman and Germanic codes. Contributions of women in the high and late Middle Ages to feudal and urban society, courtly love, monasticism, mysticism, medicine and literature. — S. Wemple.

*Prerequisite: Courses 3 and 4.*

*Enrollment limited to 15 students.*

*Offered in alternate years. Offered in 1981-1982.*

*One course credit.*

## **History-Italian V 3197x. Dante's World. Introductory Seminar.**

Historical background of Dante's political, social and ethical thought and literary analysis of its poetical rendering. Major theological themes in medieval thought as a background to and influence upon the *Divine Comedy*. Development of visual arts and ideas especially in the painting of Giotto. — M. Lorch and S. Wemple with participation of H. Davis and E. Cousins.

*Offered in alternate years. Offered in 1980-1981.*

*One course credit.*

*Tu 4:10-6:00 plus an additional hour of readings for students using this course to fulfill requirements in Italian to be arranged.*

## **W 3979x. The Age of the Reformation.**

Religious and intellectual history of Europe in the sixteenth century. Major works of Protestant and Catholic reformers in their political and social environment. — E. Rice.

*One course credit.*

*Th 2:10-4:00.*

## **W 3825x. Religion and Social Change in England, 1558-1689.**

Religion and the rise of capitalism: Weber, Tawney, Christopher Hill and the debate on the "Puritan Revolution." Religion and political and social radicalism: radical sects, including Levellers, Diggers, and Fifth Monarchists. — S. Biddle.

*One course credit.*

*Tu 2:10-4:00.*

## **W 3955y. The Family in History, 1500-1850.**

Survey of the principal contributions to the history of the family in Western Europe from the 16th to the mid-19th century, with emphasis on England. — S. Biddle.

*One course credit.*

*M 2:10-4:00.*

## **37x. The European Enlightenment.**

Intellectual origins of the Enlightenment; Enlightenment ideas in their social and intellectual setting; influence of the Enlightenment on the French Revolution. — D. Levy.

*Permission of the instructor required.*

*Enrollment limited to ca. 15 students.*

*One course credit. Not offered in 1980-1981.*

## **W 3963y. Comparative Revolutions.**

Anglo-American revolutionary tradition. French Revolution, socialist and communist revolutions, and colonial liberation movements. — P. Onuf.

*One course credit.*

*Tu 4:10-6:00.*

## **32y. Women in Revolutionary Paris: 1789-1795.**

Political attitudes and behavior of women in revolutionary Paris. Themes of feminist politics, welfare politics, and politics of subsistence. — D. Levy.

*Prerequisites: A reading knowledge of French, an introductory European history course, and permission of the instructor. A course in the French Revolution is desirable.*

*Enrollment limited to ca. 10 students.*

*Not offered regularly. Not offered in 1980-1981.*

*One course credit.*

## **36y. European Intellectual Developments. 1789-1870.**

French revolutionary ideology; conservatism, romanticism, liberalism, utopian socialism, Hegelian idealism, Marxism, positivism, Darwinism, naturalism. — D. Levy.

*Permission of the instructor required.*

*Enrollment limited to ca. 15 students.*

*Not offered regularly. Not offered in 1980-1981.*

*One course credit.*

## **W 3984y. Liberalism, Socialism, and the Social Question in Europe, 1789-1848.**

Social and political history of England, France, and Germany; problems in the intellectual history of European liberalism and socialism between 1789-1848. — L. Dickey.

*One course credit.*

*Th 2:10-4:00.*

## **W 3962x. European Socialism.**

Marxian socialism (both theory and practice) from its inception in the 1840's to its decisive bifurcation in the early 1920's; non-Marxian socialist and anarchist movements. — E. Malefakis.

*Permission of the instructor required.*

*One course credit.*

*Tu 4:10-6:00.*

## **W 3961y. British Socialism: Theory and Practice.**

Evolution of socialist thought, of trade unionism, and development of parliamentary Labour Party; contemporary writings and historical reappraisals. Contradictions within the British left-wing tradition, tension between insular peculiarities and foreign influences, and aims and achievements of the welfare state. — S. Koss.

*One course credit.*

*Tu 2:10-4:00.*

# History

**66y. The British Empire-Commonwealth from the American Revolution to the Present.** Shifting balance of power between Great Britain and her overseas possessions. — C. Williamson. *Offered in alternate years. Offered in 1981-1982. One course credit.*

**W 3972x. British Imperialism, 1870-1914.** Impulses, ideologies and rhetoric of late colonial expansion, Hobson and Lenin to Kipling and Chamberlain. — W. Roff. *One course credit. Th 11:00-1:00.*

**W 3959x. The Life and Lifetime of Winston Churchill.** Events in English and world history from 1874 to 1965, reflected in the writings, experiences, and career of the statesman whose lifetime and controversies spanned nine decades. Churchill's own appraisals will be considered in conjunction with those of his contemporaries and later scholarship. — S. Koss. *One course credit. W 4:10-6:00.*

**W 3980y. The Decline and Fall of the British Empire.** Concept of trusteeship and development; patterns of decolonization, 1947-79; colonial issues in British political life; emergence of the Commonwealth. — W. Roff. *One course credit. Th 11:00-1:00.*

**W 3966y. Social and Political Thought and Russian Society from Peter the Great to Lenin.** Readings of primary sources (in translation) to illustrate the evolution of Russian ideas about politics, authority, social organization, and the country's role in the world. — M. Raeff. *One course credit. M 2:10-4:00.*

**W 3989x. Hassidism and Haskalah.** Examination of the social dimensions as well as ideological and spiritual innovations of two new cultural and social movements that emerged among East European Jews in the 18th and 19th centuries. — M. Stanislawski. *One course credit. M 4:10-6:00.*

**W 3938y. The First World War and European Society.** Comparative analysis of the impact of World War I on European society. — D. Crew. *One course credit. Th 4:10-6:00.*

**18x. Italy in the Twentieth Century.** Examination of political, social, economic, and cultural development of Italy from 1900 to the

present. Fascist era and the problems of the Italian Republic after the Second World War. — Instructor to be announced. *Enrollment limited to 20 students. Offered in alternate years. Offered in 1981-1982. One course credit.*

**29x. European Communism in the Era of the Comintern: 1919-1943.** Survey of the origins and development of the Communist parties of Western and Central Europe from the foundation of the Comintern to its dissolution in 1943. Comintern sections in Germany, Italy, Spain, and France. — Instructor to be announced. *Enrollment limited to 20 students. Not offered regularly. Not offered in 1980-1981. One course credit.*

**W 3911x. Anti-Semitism in Modern Europe.** Rise of modern anti-Semitism and its relation to socio-economic and political development in Western Europe. — P. Hyman. *One course credit. Th 2:10-4:00.*

## LECTURES. UNITED STATES HISTORY

**W 1109x. Main Currents in American History, 1492-1877.** J. Garraty. *One course credit. Tu Th 5:40-6:30 plus third hour to be arranged.*

**W 4601x. American Beginnings: 1584-1763.** A. Vaughan. *One course credit. Tu Th 10:35-11:50.*

**53x. American Colonial History.** Continuity and change in the major institutions of American society from 1607 to 1783. — C. Williamson. *One course credit. Tu Th 10:35-11:50.*

**W 4603y. The American Revolution.** P. Onuf. *One course credit. Tu Th 2:40-3:55.*

**54y. The American Revolution and its Aftermath.** Why and how the American people made a revolution, waged a war and climaxed their victories with the Federal Constitution. — C. Williamson. *One course credit. Tu Th 10:35-11:50.*

**51x. Survey of American Civilization to the Civil War.** The major theological and organizational concerns of seventeenth-century English colonists;



the political and ideological process of defining an American; the social and economic forces that helped shape a distinctive identity; the inherent pressures that culminated in the nation's violent disruption in 1861. — R. McCaughey and assistants.

*One course credit.*

*M W F 10:00.*

## **83x. American Intellectual History: From the Revolution to the Civil War.**

An examination of the major intellectual themes — and their institutional manifestations — in the United States, including the American Enlightenment, the ideology of the Founding Fathers, the assertion of cultural independence; the Jacksonian temper; Transcendental and millenarian thought; racism and abolitionism. — R. McCaughey.

*Course 51 recommended.*

*Not offered regularly. Not offered in 1980-1981.*

*One course credit.*

## **W 4792x. American Economic History, 1607-1861.**

S. Bruchey.

*One course credit.*

*M W 10:35-11:50.*

## **W 3121x. America in the Era of Jacksonian Democracy.**

J. Shenton.

*One course credit.*

*M W 2:40-3:55.*

## **W 3122y. America in the Era of Disunion and Reunion.**

J. Shenton.

*One course credit.*

*M W 2:40-3:55.*

## **52y. Survey of American Civilization since the Civil War.**

The major intellectual and social accommodations made by Americans to industrialization and urbanization; patterns of political and economic thought from Reconstruction to the New Deal; selected topics on post-World War II developments. — R. McCaughey and assistants.

*One course credit.*

*M W F 10:00.*

## **84y. American Intellectual History: 1865-1918.**

Major intellectual trends in the United States between Appomattox and World War I, including Darwinism, mugwumpery, emergence of the American university, cataclysmic thought in the '90's, the Progressive temper, the crisis of the Pragmatists in 1917. — R. McCaughey.

*Not offered regularly. Offered in 1980-1981.*

*One course credit.*

*M 2:10-4:00.*

## **W 1110y. Main Currents in American History since 1877.**

H. Graff.

*One course credit.*

*Tu Th 5:40-6:30 plus a third hour to be arranged.*

## **W 4793y. American Economic History, 1865 to the Present.**

S. Bruchey.

*One course credit.*

*M W 10:35-11:50.*

## **69x. War and Reform in Industrial America: 1898-1940.**

Emergence of urban, industrial America and subsequent changes in attitudes, social order, and foreign policy. Examination of corporate giantism, mass immigration, urban ghettos, labor unions, and reform movements, and the impact of war and depression, as well as the political responses to these developments. — J. Chambers.

*One course credit.*

*Tu Th 10:35-11:50.*

## **60x. The United States and World Affairs: 1898 to the Present.**

Examination of U.S. foreign policy since the Spanish-American War, focusing on major issues, personalities and processes as the country moved from isolation to involvement in world affairs. Significance of ideology, bureaucracy, technology, and economic interest in formulation of policy. Role of executive branch, Congress, the military and civilian pressure groups. Means used to achieve foreign policy goals — diplomatic, economic, and military — and alternatives proposed by contemporaries. — J. Chambers.

*One course credit.*

*Tu Th 2:40-3:55.*

## **70y. Expanding America: 1941 to the Present.**

Economic, political, and military growth at home and abroad; emergence of the United States as active world power during World War II; Cold War, and Korean and Vietnam conflicts; development of affluent society, multi-national associations, and military-industrial complex; continuation of the New Deal and challenges for the extension of political and economic equality and protection of the environment. — J. Chambers.

*One course credit.*

*Tu Th 10:35-11:50.*

## **History-Urban Studies W 4674x. American Urban History.**

K. Jackson.

*One course credit.*

*Tu Th 1:10-2:25.*

## **W 4712y. History of the City of New York.**

K. Jackson.

*One course credit.*

*Tu Th 1:10-2:25.*

# History

## SEMINARS. UNITED STATES HISTORY

### **W 3943x. Early American Legal and Constitutional History.**

Early American legal and constitutional development in a historical context. Origins of political and legal systems and their social and economic impact. — P. Onuf.

*One course credit.*

*Tu 2:10-4:00.*

### **55y. Jacksonian America.**

Nature and significance of the period in light of its historical and historiographical complexities. — C. Williamson.

*Offered in alternate years. Offered in 1980-1981.*

*One course credit.*

*W 2:10-4:00.*

### **81y. History of Women from Colonial Times to 1890.**

Important historical and literary sources, both primary and secondary, examined in relation to political, social and cultural developments. Multiplicity of women's ideas and experiences; attitudes of society towards them. — A. Baxter.

*Permission of the instructor required.*

*Enrollment limited to ca. 25 students.*

*Offered every two years. Offered in 1982-1983.*

*One course credit.*

### **W 3937x. The Literature of Slavery.**

Selected sources and commentaries on slavery in the United States. — N. Huggins

*Enrollment limited to juniors and seniors.*

*One course credit.*

*W 11:00-12:50.*

### **W 3923x, W 3924y. The Civil War and Reconstruction, 1840-1877.**

Social, economic, political, and military affairs of the United States before, during, and after the Civil War. — J. Shenton.

*One course credit.*

*W 4:10-6:00.*

### **W 3944y. American Legal History since the Civil War.**

American law and legal institutions since the Civil War; civil rights, the First Amendment, the regulation of business, labor law, and criminal law, cases and secondary sources. — R. Rosenberg.

*One course credit.*

*Tu 2:10-4:00.*

### **82x. History of Women in America since 1890.**

Important historical and literary sources, primary and secondary, examined in relation to political, social and cultural developments. Multiplicity of women's ideas and experiences, and attitudes of society towards them. — A. Baxter.

*Enrollment limited to ca. 25 students.*

*Not offered in 1980-1981.*

*One course credit.*

### **W 3832y. Military History and Policy.**

The period 1860-1945: American Civil War and World Wars I and II. — K. Jackson.

*One course credit.*

*Tu 6:10-8:00 p.m.*

### **86y. Progressivism in Peace and War: 1901-1920.**

Emergence and decline of reform in the United States; origins, aims, and accomplishments of the progressives and their contemporaries: conservatives, trade unionists, and socialists. Impact of World War I upon American society. — J. Chambers.

*Enrollment limited to ca. 15 students.*

*Not offered in 1980-1981.*

*One course credit.*

### **W 3885y. The Twenties.**

What historians have done to the twenties and what the twenties have done to historians; elusiveness of the problems of social, intellectual, and political history of this decade. Primary materials emphasized as much as historiography. — N. Huggins.

*One course credit.*

*W 11:00-12:50.*

### **W 3950x. World War II.**

Literature of the coming and policies involved in World War II. American involvement and other major belligerents. — J. Shenton.

*One course credit.*

*W 6:10-8:00 p.m.*

### **67x. Canada and its People since the British Conquest.**

Political, social, economic, and cultural development of Canada from 1760 to the present. Canada's relations to the United States and its role in creating the Commonwealth of Nations and in world affairs. — C. Williamson.

*Not offered regularly. Not offered in 1980-1981.*

*One course credit.*

### **59x. Canada and the United States.**

Conflict and collaboration between the two countries from the American Revolution to modern times. — C. Williamson.

*Not offered regularly. Not offered in 1980-1981.*

*One course credit.*

### **61x. American Historiography.**

Art and craft of American historians from Puritan to modern times. — C. Williamson.

*Enrollment limited to 15 students.*

*Not offered regularly. Offered in 1980-1981.*

*One course credit.*

*W 2:10-4:00.*



## **71y. The Higher Learning in America.**

Changing relationship of American colleges and universities to American intellectual life more broadly, from the 17th century to the present. — R. McCaughey.

*Enrollment limited to 18 students. Permission of the instructor required.*

*Offered in alternate years. Offered in 1981-1982. One course credit.*

## **85x. The Professions in America: An Introduction to their History.**

Ministerial, legal, and medical professions from the colonial period to the present, and periods of each profession's institutionalization. Selected other professions, e.g., the military, letters also considered. Comparisons with the emergence of these professions elsewhere; comparisons of the role women have played. — R. McCaughey.

*Courses 51, 52 recommended. Permission of the instructor required.*

*Enrollment limited to 18 students.*

*One course credit.*

*M 2:10-4:00.*

## **87x. The Public Calling in America: 1607-1975.**

American politics as a vocation, from Jamestown to Watergate. Occupational aspects of elective and appointive office-holding; changes in the perception of public service. — R. McCaughey.

*Courses 51, 52 recommended. Permission of the instructor required.*

*One course credit.*

*W 2:10-4:00.*

## **W 3878x. Black Radicals and Radicalism in the 20th Century.**

H. Lynch.

*One course credit.*

*Tu 4:10-6:00.*

## **W 3883x. Views of Human Nature in American Social Thought.**

American attitudes toward social change in the last century. Images of criminals, immigrants, children, women, Blacks, workers, and businessmen. — R. Rosenberg.

*One course credit.*

*Tu 2:10-4:00.*

## **W 3903x, W 3904y. The Presidency.**

Readings and research aimed at the development of skill in historical writing. The theme for the year is chosen by consultation with members of the class. — H. Graff.

*One course credit.*

*Tu 9:00-10:50.*

## **W 3909y. Topics in Jewish Immigration.**

Historical background and socio-economic, political, and cultural problems of the mass migrations. Responses of Jewish communities of

England, France, Germany, and the United States to the arrival of Eastern European immigrants. — P. Hyman.

*One course credit.*

*Th 2:10-4:00.*

## **W 3933x. The Deviant in Modern Society.**

Variety of sources, literary, film, etc., that treat the criminal and the insane in the 20th century. Public policy toward dangerous classes as well as their composition and experience. — D. Rothman.

*One course credit.*

*Tu 4:10-6:00.*

## **LECTURES. LATIN AMERICAN AND NON-WESTERN HISTORY**

### **W 3720x. Southeast Asia in the 20th Century.**

W. Roff.

*One course credit.*

*Tu Th 4:10-5:25.*

### **W 4422x. The History of Islamic Society: From Muhammad to the Mongolian Invasion.**

R. Bulliet.

*One course credit.*

*Tu Th 4:10-5:25.*

### **W 4424y. History of Iran from the 3rd to the 18th Century.**

R. Bulliet.

*One course credit.*

*Tu Th 4:10-5:25.*

### **W 4473y. Modern History of the Middle East.**

R. Bulliet.

*One course credit.*

*M W 2:40-3:55.*

### **W 4779x, W 4780y. History of Latin American Civilization.**

x: K. Maxwell; y: H. Klein.

*One course credit.*

*x: W 4:10-6:00.*

*y: Th 2:10-4:00.*

### **W 4825x, W 4826y. History of Modern India and Pakistan.**

S. Rittenberg.

*One course credit.*

*M W 2:40-3:55.*

### **W 4902y. History of Pre-Colonial Africa.**

G. Irwin.

*One course credit.*

*M W 2:40-3:55.*

### **W 4911y. History of Central America.**

M. Wright.

*One course credit.*

*Tu Th 9:10-10:25.*

# History

## SEMINARS. LATIN AMERICAN AND NON-WESTERN HISTORY

### **W 3948y. A History of the Caribbean in the 20th Century.**

Main political, economic, and social currents in the English-, French- and Spanish-speaking islands to the present. — H. Lynch.

*One course credit.*

*Tu 4:10-6:00.*

## SEMINARS. SENIOR RESEARCH

### **91x-92y. Senior Research Seminar in European History.**

Students conduct individual research, in consultation with the instructor, on subjects in European thought and society. Results of each project in seminar in the form of the Senior Essay.

— Instructor to be announced.

*Open to senior majors; others by written permission of the instructor.*

*One course credit.*

*W 4:10-6:00.*

### **93x-94y. Senior Research Seminar in American History.**

Individual research in diverse aspects of American history and presentation of results in seminar in the form of the Senior Essay.

—C. Williamson.

*Open to senior majors; others by written permission of the instructor.*

*One course credit.*

*Tu 2:10-4:00.*

### **99x, 99y. Independent Research.**

Staff.

*One course credit.*

*Hours to be arranged.*

Full descriptions of the following courses of interest to students in history can be found under the heading of the department or interdisciplinary program in which the course is offered:

### **American Studies 1x, 2y. Seminar on American Culture and National Character.**

### **East Asian V 3310y. Rebellion and Revolution in Modern China.**

### **East Asian V 3540y. Process of Modernization in China and Japan.**

### **East Asian V 3610y. Social Change Reflected in the Literature and Films of Modern Japan.**

### **History-Japanese W 3600x. World War II in American and Japanese History.**

### **Medieval and Renaissance Studies 80y. Myth and History. Advanced Seminar.**

### **Medieval and Renaissance Studies 86y. Women in the Middle Ages: Ideals and Reality.**

### **Religion V 3406y. Medieval Ecclesiastical History, 300-1450.**

### **Urban Studies 45x. Junior Colloquium on Urban Studies.**



# Studies in the Humanities

Offices: 314 and 321 Milbank Hall

Telephone: 280-5417

Studies in the Humanities is coordinated by a Committee from various departments in the Humanities:

**Professor of French**

Serge Gavronsky (Co-chairman)

**Professor of English**

Remington Patterson

**Professor of Italian**

Maristella Lorch

**Professor of Oriental Studies**

Barbara Stoler Miller (Co-chairman)

**Professor of Philosophy**

Mary Mothersill

**Professor of Religion**

Elaine Pagels<sup>2</sup>

**Professor of Russian**

Richard G. Gustafson<sup>1</sup>

<sup>1</sup>Absent on leave, 1980-1981

<sup>2</sup>Absent on leave, Autumn Term

The offerings in Studies in the Humanities are designed to permit students to broaden their knowledge of humanistic traditions while complementing and enriching the specialization inherent in a major program. Readings in the Humanities courses, as well as Humanities C1001, C1002, may be used to fulfill distribution requirements.

Students may neither major nor minor in Studies in the Humanities.

## COURSES OF INSTRUCTION

**V 3003x-V3004y. Readings in European and American Literature and Philosophy of the Nineteenth and Twentieth Centuries.**

Disintegration of traditional canons in ethics and aesthetics and the attempt to reestablish values in a world where their justification has become increasingly individual or relative. Works by Hegel, Kleist, Marx, Baudelaire, Kierkegaard, Flaubert, Feuerbach, Tolstoy, Dostoevsky, and Nietzsche read in the first semester, and in the second, by James, Mann, Proust, Joyce, Yeats, Eliot, Woolf, Faulkner, Kafka, Sartre, Robbe-Grillet and Garcia Marques. — x: M. Kurrik; y: K.-L. Selig.

*Prerequisite:* A grade of B or better in Humanities C 1001-C 1002 or permission of the instructor.

*One course credit.*

*M W F 1:10.*

**98. Seminar: Metaphors, Myths, and Narratives of Travel.**

Language of intercultural encounters explored through readings in the literature of travel. Works by Marco Polo, Swift, Kipling, Melville, Stevenson, Gauguin, Conrad, Mann, Hesse, Forster, Malraux, Celine, Lévi-Strauss. — S. Gavronsky and B. Miller.

*Enrollment by permission of the instructors.*

*One course credit.*

*W 4:10-6:00*

The following courses represent a selection of departmental offerings that focus on the complex ways in which humanistic activity involves translations of ideas, emotions, and forms across barriers of time, space, and language.

# Studies in the Humanities

## **Anthropology V 3044y. Symbolism.**

Ordering of experience through symbols in various cultures. Symbolic significance of natural anomalies, twins, the body, space, time, inversions, jokes and riddles examined through selected readings from Durkheim, van Gennep, Lévi-Strauss, Mary Douglas, Victor Turner, and others. — C. Lindholm.

*One course credit.*

*Tu Th 2:40-3:55.*

## **English 40y. VIII. The Human Body in Modern Literature and Philosophy.**

Sexual, erotic, and oneiric discourse: Nietzsche, Freud, Lawrence, Mann, Proust. Pre-objective and symbolic discourse: Merleau-Ponty, Lacan, Joyce, Barthes, Foucault. Dramatic discourse: Artaud, Grotowski, Foreman. — M. Kurrik.

*One course credit.*

*Tu 12:00-1:50.*

## **French 48y. Forms of Humanism.**

One of the central philosophical and literary concepts in the twentieth century, with emphasis on the political and ideological influences: Breton, Sartre, Lévi-Strauss, Althusser, and the new philosophies. — S. Gavronsky.

*Prerequisite: Satisfaction of the language requirement in French.*

*One course credit.*

*M W 1:10-2:25.*

## **Italian V 3469y. Renaissance Humanism: Its Sources, Forms and Legacy.**

Essential aspects of the humanistic tradition. — M. Lorch

*Prerequisite: One course in either Renaissance history, philosophy, religion, literature or art. Reading knowledge of Latin recommended but not required.*

*Permission of the instructor required.*

*Offered in alternate years. Offered in 1981-1982.*

## **Linguistics V 3414y. Linguistics and the Structure of Texts.**

Application of linguistic techniques for elucidation of meaning and structure in various types of texts, especially poetry and prose. Modern techniques and traditional methods. Texts used for illustration and analysis will be in various languages. — J. Malone.

*Prerequisite: Course V 1101.*

*Enrollment is limited to 25 students. Advanced sign-up required.*

*Offered in alternate years. Offered in 1980-1981.*

*One course credit.*

*Tu Th 9:10-10:25.*

## **Middle East-Oriental Humanities V 3403y. Forms of Art in Indian Asia.**

Classical Indian poetry, drama, painting, and sculpture examined from the perspectives of Indian religious ritual, political patronage, and aesthetic theory. — B. Miller.

*One course credit.*

*Tu 2:10-4:00 plus conference hours, guest lectures, museum trips and film viewings.*



# Italian

Office: 206 Milbank Hall

Telephone: 280-5418, 5417

## Professor

Maristella de Panizza Lorch (Chairman)

Other officers of the University offering courses in Italian:

## Professors

John C. Nelson, Olga Ragusa, Luciano Rebay<sup>1</sup>

## Assistant Professor

Pellegrino D'Acerno<sup>1</sup>

<sup>1</sup>Absent on leave, 1980-1981

The courses in the Italian Department are designed to develop proficiency in language skills and to present the literary and cultural traditions of Italy.

All students who intend to satisfy the foreign language requirement in Italian must take a placement examination before registration. This examination tests the student's knowledge of grammar, her ability to comprehend written and spoken Italian, and her ability in free composition. Students receiving a sufficiently high grade will automatically fulfill the requirement.

An important resource for the department is the Casa Italiana with the Paterno Library. The Italian Cultural Club offers social events and films. Two lecture series are funded by the Ungaretti Memorial Fund and Da Ponte Fund.

The department offers a summer school in Florence using the facilities of Syracuse University.

Graduate courses are open to qualified students upon consultation with the chairman.

## Italian Studies

The program aims to encourage the interest of students in contemporary Europe by focusing on Italy, both for its own sake and as a kind of test-case for the study of a rapidly changing European society. For details on the program, see page 135, under Foreign Area Studies.

## REQUIREMENTS FOR THE MAJOR

A major in Italian should plan her program of study with the chairman of the department as early as possible. The following courses are required unless advanced standing is attained by departmental achievement test or by the Advanced Placement examination.

|                     |   |
|---------------------|---|
| Italian V1101-V1102 | <i>Elementary Full-Year Course</i>  |
| Italian V1201-V1202 | <i>Intermediate Course</i>  |
| or                  |   |
| Italian V1301-V1302 | <i>Comprehensive Elementary and Intermediate Course (with permission of the instructor)</i> |

At least twelve courses are required for the major:

|                     |   |
|---------------------|---|
| Italian V3333-V3334 | <i>Introduction to Italian Literature</i> |
| Italian V3335-V3336 | <i>Italian Written and Oral Style</i>     |

and a minimum of 8 courses in Italian numbered above V1302.

## REQUIREMENTS FOR THE MINOR

A minimum of five courses are required for the minor:

V3333-V3334 and V3335-V3336, and 3 courses in Italian numbered above V1302.

# Italian

## COURSES OF INSTRUCTION

### **V 1101x-V 1102y. Elementary Full-Year Course.**

Integral course for beginners with intensive oral-aural drill; reading, translation, conversation. No credit is given for Course V 1101 until Course V 1102 has been completed. — Staff.

*Students must sign up for this course in Room 610 Casa Italiana during the registration period.*

*Work in the language laboratory for one hour per week is optional.*

*One course credit.*

*Sections I, II M Tu W Th 9:00.*

*Sections III, IV M Tu W Th 12:00.*

### **V 1201x-V 1202y. Intermediate Course.**

Review of the essentials of grammar; intensive and extensive reading, particularly from contemporary authors; translation, composition, and practice in conversation. — Staff.

*Prerequisite: Course V 1101-V 1102 or the equivalent.*

*One course credit.*

*Section I M Tu W Th 9:00.*

*Sections II, III M Tu W Th 12:00.*

### **V 1301x-V 1302y. Comprehensive Elementary and Intermediate Course.**

For linguistically gifted students who wish to acquire by intensive study the reading skill necessary to interpret Italian literary texts. — Staff.

*Permission of the chairman required.*

*One course credit.*

*Section I M W F 11:00-12:15.*

*Section II M W F 4:10-5:25.*

### **V 3335x-V 3336y. Italian Written and Oral Style.**

Written and oral self-expression in Italian; brief papers, translations, and oral reports on a variety of topics; grammar review. — Instructor to be announced.

*Prerequisite: Course V 1201-V 1202 or the equivalent.*

*Offered in alternate years. Offered in 1980-1981.*

*One course credit.*

*Tu Th 4:10-5:25.*

## LITERATURE COURSES IN ITALIAN

For nonmajors, the literature courses listed below will count toward the distribution requirement. All courses are conducted in Italian.

### **V 3333x-V 3334y. Introduction to Italian Literature.**

Introduction to literary theory and problems and to in-depth textual analysis. Authors and works from the thirteenth century to the present; the basic course in Italian literature. — O. Ragusa and J. Nelson.

*Prerequisite: Course V 1201-V 1202 or the equivalent.*

*One course credit.*

*M W 2:40-3:55.*

### **V 3449x-V 3450y. Modern Italian Literature.**

Nineteenth- and twentieth-century prose and poetry. — L. Rebay.

*Prerequisite: Course V 1201-V 1202 or the equivalent.*

*Not offered regularly. Not offered in 1980-1981.*

*One course credit.*

### **V 3467x. Petrarch and Petrarchism.**

Reading of the Canzoniere and of chosen material from Italian Petrarchists from the 15th and 16th centuries. — M. Lorch.

*Not offered regularly. Not offered in 1980-1981.*

*One course credit.*

### **V 3468y. Italian Poetry from the Scuola Siciliana to the Dolce Stil Nuovo.**

Development of Italian poetry from its origins to the early part of the 14th century: Guinizelli, Cavalcanti, and Dante; readings, in-depth textual analysis, and class discussions. — L. Rebay.

*Prerequisite: Course V 1201-V 1202 or the equivalent.*

*Not offered regularly. Not offered in 1980-1981.*

*One course credit.*

### **V 3891x. Dante, La Divina Commedia.**

*The Divine Comedy*, focusing on textual analysis and the appreciation of Dante's masterwork as poetic text. Readings and lectures in Italian; class discussions and written assignments in either Italian or English. — L. Rebay.

*Prerequisite: Two years of Italian or the equivalent.*

*Offered in alternate years. Offered in 1981-1982.*

*One course credit.*

### **V 3196y. Petrarch and Boccaccio.**

*Filostrato*, *Fiammetta*, *The Decameron*, and selections from other works by Boccaccio. Selections from Petrarch's *Canzoniere* and prose writings. Origins of humanism and interrelations between Dante, Boccaccio, Petrarch. — M. Lorch.

*Offered in alternate years. Offered in 1980-1981.*

*One course credit.*

*Tu 4:10-6:00.*

### **V 3993x-V 3994y. Seminar in Italian Literature.**

Guidance in research and writing of a critical essay. — Staff.

*Required of majors. Open to other qualified students with permission of the chairman.*

*One course credit.*

*Hours to be arranged.*



## COURSES GIVEN IN ENGLISH

Majors are required to attend an additional seminar hour conducted in Italian in those courses so indicated below.

### **History-Italian V 3197x. Dante's World.**

Historical background of Dante's political, social and ethical thought and literary analysis of its poetical rendering; major theological themes in Medieval thought as a background to and influence upon the *Divine Comedy*; development of visual arts and ideas especially in the painting of Giotto. — M. Lorch, S. Wemple with participation of H. Davis and E. Cousins.

*One course credit.*

*Tu 4:10-6:00. An additional hour of readings for students using this course to fulfill requirements in Italian will be arranged.*

### **V 3221y. Machiavelli, Castiglione, Ariosto, Tasso.**

Machiavelli's *Prince* and *Mandragola*; Castiglione's *Book of the Courtier*; Ariosto's *Orlando Furioso* (selections); and Tasso's *Aminta* and *Gerusalemme Liberata* (selections). — J. Nelson.

*Offered every three years. Offered in 1981-1982.*

*One course credit.*

### **V 3223x. Florentine Writers from Dante to Michelangelo.**

Interrelations between Dante, Petrarch, and Boccaccio; Lorenzo deMedici and his circle Machiavelli and Guicciardini; Michelangelo and Cellini. — J. Nelson.

*Offered in alternate years. Offered in 1981-1982.*

*One course credit.*

### **V 3453x. Modern Italian Thought: Vico, Croce, Gramsci.**

Autumn: Vico: *New Science*, its influence on modern thought and literature. Spring: Croce and Gramsci: Croce's neo-idealism and Gramsci's critique of it; their theories of history and art; their relationship to Vico and Marx. — P. D'Acierno.

*Offered in alternate years. Offered in 1981-1982.*

*One course credit.*

### **V 3469y. Renaissance Humanism: Its Sources, Forms and Legacy.**

Essential aspects of the humanistic tradition. — M. Lorch.

*Prerequisite: One course in either Renaissance history, philosophy, religion, literature, or art. Reading knowledge of Latin recommended but not required.*

*Permission of the instructor required.*

*Offered in alternate years. Offered in 1981-1982.*

*One course credit.*

### **V 3465x-V 3466y. Italian Civilization and Culture.**

Major developments and trends in Italian history, philosophy, literature, and the arts. Autumn: from the Middle Ages to the Baroque. Spring: from the Enlightenment to the present, with special emphasis on opera and film. — P. D'Acierno.

*Offered in alternate years. Offered in 1981-1982.*

*One course credit.*

### **V 3642y. Studies in Contemporary Italian Arts: Italian Film.**

Historical, social, and stylistic analysis within the context of neo-realism — its antecedents and influence on contemporary cinema. Development of the Italian film industry vis-a-vis politics and society. Films by De Sica, Rossellini, Germi, Castellani, Fellini, as well as historical and contemporary works will be screened. — P. D'Acierno.

*Fee of \$15.00.*

*Offered in alternate years. Offered in 1981-1982.*

*One course credit.*

### **English-Italian C 3358y. Artistic Theory in the Renaissance.**

Selected texts (in translation) on artistic theory — Alberti, Vassari, Leonardo, among others — and consideration of their importance to the history of art and literary criticism, with attention to the critical terminology used. — K.-L. Selig.

*One course credit.*

*M W 11:00-12:15.*

# Linguistics

Office: 412 Milbank Hall

Telephone: 280-5417

## Professor

Joseph L. Malone (Chairman)

## Assistant Professor

Richard Wojcik

Other officers of the University offering courses listed below:

## Professors

Robert Austerlitz, William Diver, Marvin I. Herzog

## Assistant Professors

Hanni Woodbury (Anthropology), David M. Yerkes (English-Comparative Literature)

The study of linguistics develops understanding of the nature of the language. The major is designed to provide the student with a broad appreciation of the fundamental problems of language analysis, some training in the techniques of linguistics research, as well as insight into the interrelations of linguistics with the other social and communication sciences, the humanities, and philosophy and mathematics.

## REQUIREMENTS FOR THE MAJOR

The major consists of eight courses:

|                    |                                    |
|--------------------|------------------------------------|
| Linguistics V 1101 | <i>Introduction to Linguistics</i> |
| Linguistics V 3203 | <i>Synchronic Linguistics</i>      |
| Linguistics V 3206 | <i>Historical Linguistics</i>      |
| Linguistics V 3901 | <i>Seminar in Linguistics</i>      |

one 3000-level course and

three courses in linguistics and/or post-intermediate language.

## REQUIREMENTS FOR THE MINOR

The student minoring in Linguistics must take five courses in the department, including V 1101.

## COURSES OF INSTRUCTION

### V 1101x, V1101y. Introduction to Linguistics.

Nature of language; characteristics of phonological and grammatical systems and the lexicon; evolution of language; role of linguistics in related disciplines; modern techniques of linguistic analysis. — Staff.

*Enrollment limited to ca. 100 students per section. Advance sign-up required.*

*One course credit.*

x: Section I Tu Th 9:10-10:25.

Section II Tu Th 6:10-7:25.

y: Section I Tu Th 2:00-3:15.

Section II Tu Th 6:10-7:25.

### V 3203x. Synchronic Linguistics.

Varied approaches to problems in synchronic linguistics, selected to emphasize critical points in linguistic theory. — J. Malone.

*Prerequisite: Course V 1101.*

*Enrollment limited to 25 students, majors preferred. Advance sign-up required.*

*One course credit.*

*Tu Th 10:35-11:50.*

### V 3206y. Historical Linguistics.

Principles of historical and comparative linguistics; the role of philology. — D. Yerkes.

*Prerequisite: Course V 1101.*

*Enrollment limited to 25 students, majors preferred.*

*One course credit.*

*Tu Th 10:35-11:50.*

### V 3301x. The Structure of a Language.

Illustration of principles of linguistic theory and analysis by application to the structure of a particular language.

*Prerequisite: Course V 1101 or permission of the instructor.*



*Not offered regularly. Not offered in 1980-1981.  
One course credit.*

## **V 3303x. Linguistic Analysis.**

Examination of a linguistic problem drawn from current research of the instructor. Topic for Fall, 1980: The pronoun in Latin. — W. Diver.

*Prerequisite: Course V 1101 or permission of the instructor. Knowledge of Latin is not required.*

*One course credit.*

*Tu Th 2:40-3:55.*

## **V 3408x. Language Acquisition.**

Survey of the emergence and development of vocabulary, syntax, and phonology in children, with special reference to the role of linguistic theory in accounting for the data. Comparison of child language acquisition with the acquisition of a second language by adults. — R. Wojcik.

*Prerequisite: Course V 1101 or permission of the instructor.*

*Offered in alternate years. Offered in 1980-1981.*

*One course credit.*

*M W 12:00-1:30.*

## **V 3410y. The Science of Linguistics and the Art of Translation.**

Linguistic patterns and the application of linguistic techniques in both the process of translation and the comparison of original and translated versions of a text. Texts include literary, Biblical, and journalistic material in bi- or multilingual versions, and students will use materials in languages familiar to them for analysis and translation. — J. Malone.

*Prerequisite: Course V 1101.*

*Enrollment limited to 25 students. Advance sign-up required.*

*Offered in rotation with V 3412 and V 3414. Not offered in 1980-1981.*

*One course credit.*

## **V 3412y. Linguistics and the Translation of Poetic Language.**

Linguistics as a tool in the translation of poems and other kinds of texts whose structure depends on phonetic and phonological patterns. Recent developments in linguistics (e.g. by Paul Kiparsky) relevant to the analysis of rhyme, meter, parallelism, and other sound-based configurations. Materials include monolingual and bilingual texts (poems, proverbs, etc.) in several languages, some chosen by the instructor and others by the students. — J. Malone.

*Prerequisite: Course V 1101.*

*Enrollment is limited to 25 students. Advance sign-up required.*

*Offered in rotation with V 3410 and V 3414. Not offered in 1980-1981.*

*One course credit.*

## **V 3414y. Linguistics and the Structure of Texts.**

Application of linguistics techniques for elucidation of meaning and structure in various types of texts, especially poetry and prose. Modern techniques and traditional methods. Texts used for illustration and analysis will be in various languages. — J. Malone.

*Prerequisite: Course V 1101.*

*Enrollment is limited to 25 students. Advance sign-up required.*

*Offered in rotation with V 3410 and V 3412.*

*Offered in 1980-1981.*

*One course credit.*

*Tu Th 9:10-10:25.*

## **V 3413x. Language Typology and Universals.**

Survey of the ways in which linguists classify languages. Investigation of language universals through cross-linguistic studies. Influences of such studies on linguistic theory. — R. Wojcik.

*Prerequisite: Course V 1101.*

*Not offered regularly. Not offered in 1980-1981.*

*One course credit.*

## **V 3415y. Introduction to Semantics.**

Methods and descriptive techniques of linguists in the study of meaning. Word meaning and lexical decomposition, semantic anomaly, case rôles, speech act theory, presupposition, and pragmatics. — R. Wojcik.

*Prerequisite: Course V 1101 or permission of the instructor.*

*One course credit.*

*M W 11:00-12:15.*

## **V 3810y. The Grammar of the Classical Languages.**

Comparison of two approaches to the grammar of classical languages: (1) the traditional "grammar of structure," which results in a view of language as largely rule-governed; (2) a "grammar of communication," which views the morphology as constantly contributing to the communication. Role of grammar in literary interpretation; adequacy of the traditional grammar as an empirical basis for the philosophy of language and for other modern investigations. — W. Diver.

*Knowledge of Greek and Latin is not required.*

*Offered in alternate years. Offered in 1981-1982.*

*One course credit.*

## **V 3901y. Seminar in Linguistics.**

Supervised research in the student's area of specialization, preparation of a research paper. — J. Malone.

*Limited to senior majors.*

*One course credit.*

*W 9:00-10:50.*

# Linguistics

## **W 4204y. Introduction to Phonology.**

Basic concepts and issues in phonological theory; development of the phonemic and morphophonemic levels of representation. — R. Wojcik.

*Prerequisite: Course W 4201 or permission of the instructor.*

*Offered in alternate years. Offered in 1980-1981.*

*One course credit.*

*M W 1:10-2:25.*

## **W 4500x. Generative Syntax.**

Principles and analytic techniques of generative syntax; formal and substantive aspects of transformations, base, lexicon, and semantic interpretation; generative syntax and generative semantics. — R. Wojcik.

*Prerequisite: Course V 1101.*

*One course credit.*

*Tu Th 1:10-2:25.*

## **W 4502y. Generative Phonology.**

Principles and analytic techniques of generative phonology; mutual relations of underlying representation and phonetic interpretations; formal and substantive aspects of phonological rules and of phonotactic conditions. — J. Malone.

*Prerequisite: Course W 4201 or permission of the instructor.*

*Not offered regularly. Not offered in 1980-1981.*

*One course credit.*

## **W 4602y. Generative Issues in Semantics.**

Current theoretical issues in semantics; structure of the lexicon, presupposition, performatives, and "natural" logic. — R. Wojcik.

*Prerequisite: Course W 4500.*

*Not offered regularly. Not offered in 1980-1981.*

*One course credit.*

## **OTHER LINGUISTICS COURSES**

For full descriptions, please consult the Columbia College Bulletin.

## **W 4004x. Linguistics and the Verbal Arts.**

R. Austerlitz.

*One course credit.*

*M W 11:00-12:00.*

## **V 3803y. The Grammar of Modern English.**

W. Diver.

*One course credit.*

*Tu Th 2:40-4:00.*

## **W 4104x. Theories of Grammar.**

W. Diver.

*One course credit.*

*M 2:10-4:00.*

## **W 4107x. Linguistic Geography.**

M. Herzog.

*One course credit.*

*Tu 10:00-12:00.*

## **W 4201x. Phonetics.**

R. Austerlitz.

*One course credit.*

*M W 10:00-11:00.*

## **W 4801y. Language as Communication: Synchrony.**

W. Diver.

*One course credit.*

*W 2:10-4:00.*

## **W 4802x. Language as Communication: Diachrony.**

W. Diver.

*One course credit.*

*W 2:10-4:00.*

## **Anthropology V 3033y. Sociolinguistics.**

H. Woodbury.

*One course credit.*

*M W 1:10-2:25.*

## **Anthropology V 3034y. Ethnolinguistics.**

H. Woodbury.

*One course credit.*

*M W 1:10-2:25.*

## **URALIC LANGUAGES**

(Finnish and Hungarian). Please consult the bulletins of the Graduate School of Arts and Sciences and the School of General Studies.

## **JUDEZMO LANGUAGE AND LITERATURE, AND YIDDISH LINGUISTICS AND LITERATURE**

Please consult the bulletins of Columbia College, the School of General Studies, and the Graduate School of Arts and Sciences.



# Mathematical Statistics

*Office: 618 Mathematics Building*

*Telephone: 280-3653.*

Barnard students wishing to major in Mathematical Statistics should consult the Columbia College Bulletin under the Department of Mathematical Statistics. Special arrangements for the major can be made by petition to the Committee on Programs and Academic Standing.



# Mathematics

Office: 514 Mathematics Building

Telephone: 280-4341

## Professor

Joan S. Birman<sup>1</sup>

## Assistant Professor

Daniel Grayson (Acting Chairman), John Harer

Other officers of the University offering courses in Mathematics:

## Professors

Hyman Bass<sup>1</sup>, Lipman Bers, Samuel Eilenberg (University Professor), Patrick X. Gallagher, Herve M. Jacquet, Ellis R. Kolchin, Masatake Kuranishi, Boris G. Moishezon, John W. Morgan.

## Associate Professors

Avner Ash, Henry Pinkham, Troëls Jorgensen<sup>2</sup>

## Visiting Associate Professor

Andrei M. Todorov

## Assistant Professors

Michael Davis, Lee Rudolph, Karen Vogtmann<sup>1</sup>

## Visiting Assistant Professor

Scott A. Wolpert

## J.F. Ritt Assistant Professors

Doris Fischer-Colbrie, Yuval Flicker, Michael P. Fourman, John Harer, Duong H. Phong, Nancy Stanton, Jacob Sturm

<sup>1</sup>Absent on leave, 1980-1981

<sup>2</sup>Absent on leave, Spring Term

The Mathematics Department offers a wide range of courses, which fall into four groups: non-credit courses for students who lack a firm grasp of basics in mathematics, service courses for students who need to learn the tools of mathematics for applications to other areas, courses in the majors' program in pure mathematics (including a regular track and an honors track), and courses in the majors' program in applied mathematics. Courses in mathematical statistics are also offered, but a student must petition to major in that branch of the field (see page 189).

Students interested in Computing Science should consult the program listing of that department, page 105.

## General Information

The non-credit offerings are V 0070, *Mathematics for Elementary Science* and V 0077, *Pre-Calculus*.

The systematic study of college mathematics begins with Calculus, which is taught at a number of levels. In the mainstream sequence (Calculus I-IV), there are three levels, A, B, and C. The A-sequence is a standard course in differential and integral calculus, intended primarily for students who need calculus for its applications. The B-sequence covers substantially the same material as A, but places more stress on theoretical foundations and moves at a more rapid pace. The C-sequence is a fast-paced honors course which stresses theory and in addition demands creative imagination and unusual ability to think abstractly. Students who complete the sequence IC-IVC are often able to bypass Mathematics W 4061-W 4062, *Introduction to Modern Analysis*, substituting G 4101-G 4102. Mathematics majors are required to take the B- or C-levels. A fourth sequence on the first year level, IE-IIE, is designed for prospective economics majors.



For non-mathematics majors, an alternative to Calculus IV in the second year is Mathematics V 1220, *Algebra for Applications*. At the opposite end of the spectrum is V 1100, *Brief Calculus*, a one-term survey of the contents of IA-IIA.

Placement in the proper term (I, II, III) and level (A, B, C) is guided by the following criteria. Students who have studied calculus in high school and have passed the Advanced Placement Test (AB level) with a grade of 4 or 5 are awarded one course credit and may begin with Calculus IIA or Calculus IIB, or with Calculus IC if they have passed the qualifying examination for that course. Those who have received a grade of 3 will be awarded one course credit only if they take and pass Calculus IIA or IIB. Students who have studied calculus in high school and have passed the Advanced Placement Test (BC level) with a grade of 4 or 5 are awarded two courses credit and may begin with Calculus IIIA or Calculus IIIB (Section II, for freshmen only), or with Calculus IC if they have passed the qualifying examination for that course. Those who have received a grade of 3 will be awarded two courses credit only if they take and pass Calculus IIIA or IIIB, and will be awarded one course credit if, instead, they take and pass Calculus IIA or IIB.

CEEB-Placement exam policies: Students who receive scores under 550 in the CEEB Mathematics Achievement Test, Level I or II, are required to take the departmental placement exam before they may be admitted to any of the department's offerings. Students who do not pass this examination must take non-credit V 0077 in order to be allowed to register for Calculus. The placement exam is administered during the Autumn and spring registration period.

Entrance to the Calculus IC-IVC sequence is by a placement examination, administered during Freshman week, or by recommendation of the instructor during the first few weeks of the B- or A-sequence courses. Students who have received scores of over 700 in the CEEB exams are encouraged to try this examination.

Students who have special placement problems should go to Room 609 Mathematics to arrange an appointment with a faculty member or the Chairman, either during Freshman week or during the semester.

The Help Room on the 6th Floor of the Mathematics Building is open during the day, Monday through Friday, for students seeking individual help and counseling from the instructors and teaching assistants in the A-sequence; also, video tape equipment is available for help in solving A-sequence problem assignments.

## REQUIREMENTS FOR THE MAJOR

In the second half of the sophomore year or earlier, prospective majors should register with the departmental assistant (602 Mathematics) to be assigned to a departmental adviser. The major programs in both pure and applied mathematics are appropriate for students who plan to continue their training in graduate school.

Fourteen courses are required for the major in mathematics, distributed as follows according to two tracks:

### Pure Mathematics

V 1103-V 1104, V 1203-V 1204  
or  
V 1107-V 1108, V 1207-V 1208  
W 4061-W 4062  
V 3040-V 3041  
V 3951 or V 3952

*Calculus IB, IIB, IIIB and IVB*

*Calculus IC, IIC, IIIC and IVC*

*Introduction to Modern Analysis*

*Introduction to Modern Algebra*

*Undergraduate Seminars in Mathematics*

and five courses in any combination of mathematics and cognate courses, such as physics, chemistry, astronomy, computing science, etc., to be approved by the adviser.

# Mathematics

## Applied Mathematics

|                              |   |
|------------------------------|---|
| V 1103-V 1104, V 1203-V 1204 | <i>Calculus IB, IIB, IIIB, and IVB</i>            |
| V 3029-V 3030                | <i>Linear Algebra and Differential Equations</i>  |
| or                           |   |
| V 3027                       | <i>Ordinary Differential Equations and</i>        |
| and                          |   |
| V 3202                       | <i>Linear Algebra</i>                             |
| V 3028                       | <i>Partial Differential Equations</i>             |
| or                           |   |
| Eng-Math E 4200              | <i>Partial Differential Equations</i>             |
| V 3007                       | <i>Complex Variables</i>                          |
| W 4061                       | <i>Introduction to Modern Analysis</i>            |
| Math Stat G 4105             | <i>Probability</i>                                |
| Computing Science G 4401     | <i>Numerical Analysis and Digital Computers I</i> |
| Eng-Math E 4901-E 4902       | <i>Seminar in Applied Mathematics (no credit)</i> |
| Eng-Math E 4903-E 4904       | <i>Seminar in Applied Mathematics</i>             |

## REQUIREMENTS FOR THE MINOR

Seven courses are required for the minor, consisting of 4 courses in the calculus sequence and 3 other courses from the departmental offerings, subject to the approval of the chairman.

## COURSES OF INSTRUCTION

### V 0070x, V 0070y. Mathematics for Elementary Science.

For students who do not have a firm grasp of high school mathematics and will need some elementary mathematical techniques in later courses or work. Those who plan to study calculus should consider V 0077 (see below). Topics studied: polynomials, algebraic equations, coordinates, lines and circles, exponents and logarithms, trigonometry. — Staff.

*Graded on a pass-fail basis.*

*This course does not carry credit toward the bachelor's degree.*

*Section I M W 7:10-8:00 p.m.*

*Section II Tu Th 4:10-5:00.*

### V 0077x, V 0077y. Pre-Calculus.

For students who wish to study calculus but do not have a firm enough grasp of high school mathematics. Topics studied: functions, composite functions, rates of growth, trigonometry, inverse functions, exponents and logarithms, rates of change. — Staff.

*Graded on a pass-fail basis.*

*This course does not carry credit toward the bachelor's degree.*

*Section I M W 1:10-2:00.*

*Section II M W 4:10-5:00.*

*Section III Tu Th 6:10-7:00.*

*Section IV M W 7:10-8:00 p.m.*

### V 1001x-V 1002y. Introduction to Basic Concepts of Mathematics.

Terminal course for students not intending to continue the study of mathematics. A glimpse into the world of mathematics and its applications. Although the material is elementary, it is approached from a thoroughly contemporary scientific point of view. — L. Rudolph.

*Prerequisite: High school mathematics through intermediate algebra.*

*V 1001 is prerequisite for V 1002.*

*One course credit.*

*Tu Th 4:10-5:25.*

### V 1100x. Brief Calculus.

Covers in a single semester the main ideas of differential and integral calculus, necessarily less extensively than V 1101-V 1102 or V 1103-V 1104. Terminal calculus course. Warning: students who take this course and then wish to continue in calculus must first take V 1101 (or V 1103) *without credit*. They will be permitted to register for V 1102 (or V 1104) only upon receiving a passing grade in V 1101 (or V 1103). Students who anticipate further studies in the sciences or mathematically-oriented social sciences are strongly advised to consider V 1101-V 1102 or V 1103-V 1104 rather than V 1100. — E. Kolchin.

*One course credit.*

*Tu Th 9:10-10:25 plus recitation either Tu 12:00 or Th 8:00 a.m.*



## V 1101x, V 1101y. Calculus IA.

Functions, limits, derivatives; examples; introduction to integrals. Help-Room on the 6th floor of Mathematics Building is open to students seeking individual help and counseling by instructors and teaching assistants during the day, Monday to Friday. Video-tape equipment is also available for problem solving. — H. Pinkham and Staff.

*Students are assigned to lectures within the same section according to their mathematical background.*

Section I M W F 10:00.

Section II M W F 11:00.

Section III x: M W 1:10-2:25.

y: M W 4:10-5:25.

Section IVy Tu Th 6:10-7:25.

*Recitation: One hour chosen by the student during the first week of classes. Recitations are scheduled approximately 12 times a week in V 1101x and 8 times a week in V 1101y.*

## V 1102x, V 1102y. Calculus IIA.

Methods of integration; applications of the integral; elementary transcendental functions; Taylor's theorem; infinite series; power series. — H. Pinkham and Staff.

*Prerequisite: Course V 1101 or the equivalent.*

Section I M W F 10:00.

Section II M W F 11:00.

Section III x: Tu Th 6:10-7:25.

y: M W 1:10-2:25.

*Recitation: One hour chosen by the student during the first week of classes from a fixed schedule.*

## V 1103x. Calculus IB.

Same topics as Calculus IA, with greater emphasis on underlying theory. — Y. Flicker, I. Morrison.

*One course credit.*

M W F 11:00.

*Recitation: Tu or Th 8:00, or 12:00.*

## V 1104x, V 1104y. Calculus IIB.

Same topics as Calculus IIA, with greater emphasis on underlying theory. — x: R. Staffeldt; y: Y. Flicker, I. Morrison.

*Prerequisite: Course V 1103 or the equivalent.*

*One course credit.*

M W F 11:00.

*Recitation: Tu or Th 8:00 or 12:00.*

## V 1107x, V 1108y. Calculus IC and IIC.

Same material as Course IA, IIA, and IB, IIB, but the terminology and style are thoroughly modern. — E. Gutkin.

*Intended for students who have facility with discussion on an abstract level, or who appear likely to develop such facility early.*

*Entrance by examination or by permission of the instructor.*

*One course credit.*

M W F 11:00.

## V 1111x, V 1112y. Calculus for Economics. (Calculus IE-IIIIE).

The level of this course is the same as that of Mathematics V 1101, V 1102, but the syllabus is modified to meet the special needs of economics students. x: Derivatives, transcendental functions, curve-sketching, optimization problems in one variable, integrals, integration by substitution and by parts; y: Partial derivatives, notions from linear algebra and the implicit function theorem, optimization of problems in several variables, Lagrange multipliers, complex numbers, linear differential and difference equations with constant coefficients. — H. Jacquet.

*Prerequisite: Same as for V 1101-V 1102.*

*One course credit.*

M W F 11:00.

*Recitation: Tu 12:00 or Th 8:00.*

## V 1201x, V 1201y. Calculus IIIA.

Vectors in dimensions 2 and 3; determinants of order 2 and 3; vector valued functions and their derivatives; curves; velocity and acceleration; functions of several variables, partial derivatives; gradients; differentials; surfaces; tangent planes, extrema; double and triple integrals; applications, vector fields; line integrals. — Staff.

*Prerequisite: Course V 1102 or the equivalent.*

*One course credit.*

Section Ix Tu Th 10:35-11:50. D. Grayson, J. Sturm.

Section IIx: Tu Th 1:10-2:25. L. Keen, M. Kuranishi.

y: Tu Th 6:10-7:25. L. Rudolph.

*Recitation: Ix: M or W 8:00 or 12:00; IIx: Tu 2:40-3:55, or Th 4:10-5:25.*

*Tu 7:40-8:55 p.m. or Th 4:10-5:25.*

## V 1202x, V 1202y. Calculus IVA.

Vectors in higher dimensions; matrices; determinants; transformations, Jacobians; implicit functions; Lagrange multipliers; change of variables; Taylor formulae in several variables; curves; extrema; vector fields; divergence and curl; surface integrals; complex numbers; Fourier series. — Staff.

*Prerequisite: Course V 1201 or the equivalent.*

*One course credit.*

x Tu Th 6:10-7:25. L. Rudolph.

Section Iy Tu Th 10:35-11:50. J. Sturm.

Section IIy Tu Th 1:10-2:25. L. Keen, M. Kuranishi.

*Recitation: x: Tu 7:40-8:55 p.m. or Th 4:10-5:25.*

*Iy: M or W 8:00 or 12:00; IIy: Tu 2:40-3:55, or Th 4:10-5:25.*

## V 1203x, V 1203y. Calculus IIIB.

Same topics as Course V 1201, with greater emphasis on the underlying theory. — Staff.

*Prerequisite: For Sections Ix or y, Course V 1104. For Section IIx (Freshmen only) see statement under "General Information."*

# Mathematics

*One course credit.*

*Section Ix* Tu Th 10:35-11:50. L. Bers.

*Section IIx* M W F 11:00. (Freshmen only). J. Harer.

*Section Iy* M W F 11:00. R. Staffeldt.

*Recitation: Ix: M or W, 8:00 or 12:00; IIx (For Freshmen only): Tu or Th 8:00 or 12:00.*

*Iy: Tu or Th 8:00 or 12:00.*

## **V 1204x, V 1204y. Calculus IVB.**

Same topics as Course V 1202, with greater emphasis on underlying theory. — Staff.

*Prerequisite: Course V 1203.*

*One course credit.*

*Section Ix* M W F 11:00. S. Wolpert.

*Section Iy* Tu Th 10:35-11:50. L. Bers.

*Section IIy* M W F 11:00 (Freshmen only). J. Harer.

*Recitation: Ix: Tu or Th 8:00 or 12:00.*

*Iy: M or W 8:00 or 12:00; IIy: (For Freshmen only): Tu or Th 8:00 or 12:00.*

## **V 1207x, V 1208y. Calculus IIIC and IVC.**

Material of Calculus IIIB, IVB plus additional topics. Terminology and style are thoroughly modern. — J. Morgan.

*Prerequisite: Courses V 1107-V 1108. Course V 1207 is the prerequisite for V 1208.*

*Permission of the instructor is required.*

*One course credit.*

*Tu Th 10:35-11:50.*

## **V 1220y. Algebra for Applications.**

Topics in abstract algebra extensively used in science and engineering; basic notions of set theory; induction; groups, rings, fields; rings of integers and of polynomials; finite abelian groups; finite rings and fields; Boolean algebra; elementary combinatorics; difference equations; notions from graph theory. — D. Grayson.

*Prerequisite: One year of calculus.*

*One course credit.*

*Tu Th 10:35-11:50.*

## **V 2040x. Number Theory.**

Congruences, quadratic residues, Gaussian sums; number-theoretic functions; distribution of primes; irrational, algebraic and transcendental numbers. — I. Morrison.

*Prerequisite: Calculus II.*

*One course credit.*

*Tu Th 1:10-2:25.*

## **V 3005x, V 3006y. Advanced Calculus for Science Majors.**

This course completes the basic calculus sequence and supplies essential groundwork for applications to physics and engineering. Elements of linear algebra; power series; Taylor expansions; chain rule; change of variables in multi-

ple integrals; line and surface integrals; Green's and Stokes' theorem; implicit function theorem; differentiation of series and integrals; orthogonal expansions: Fourier series, Legendre polynomials, Bessel functions; complex analysis; Cauchy-Riemann equations, Cauchy theorem residue theorem with applications to contour integrations. — A. Todorov.

*Prerequisite: Calculus IV.*

*Either term may be taken separately.*

*One course credit.*

*Tu Th 2:40-3:55.*

## **V 3007y. Complex Variables.**

Elementary course in functions of a complex variable; complex numbers, analytic functions, Cauchy-Riemann equations; Cauchy integral theorem, Taylor and Laurent series, poles and essential singularities, conformal mapping. — D. Fischer-Colbrie.

*Prerequisite: Calculus IV.*

*One course credit.*

*M W 1:10-2:25.*

## **V 3010x. Fundamental Concepts of Mathematics.**

Groundwork on which almost all modern mathematics rests: sets, mappings, relations, ordered sets, well-ordering, natural numbers, cardinal numbers, ordinal numbers, choice functions, Zorn's lemma, induction, real and complex numbers. — M. Fourman.

*Prerequisite: Calculus IV and at least one 3000-level course.*

*One course credit.*

*M W F 10:00.*

## **V 3027x. Ordinary Differential Equations.**

Solutions of ordinary differential equations: linear equations with constant coefficients, series solutions at regular and singular points; boundary value problems; qualitative theory of nonlinear equations; selected applications. — B. Moishezon.

*Prerequisite: Calculus IV or the equivalent.*

*One course credit.*

*Tu Th 6:10-7:25.*

## **V 3028y. Partial Differential Equations.**

Introduction to partial differential equations; first-order equations; linear second-order equations; separation of variables, solution by series expansions; boundary value problems. Further topics chosen by the instructor. — B. Moishezon.

*Prerequisite: Course V 3027 or the equivalent.*

*One course credit.*

*Tu Th 6:10-7:25.*

## **V 3029x-V 3030y. Linear Algebra and Differential Equations.**

Integrated course in linear algebra and ordinary differential equations, the latter serving as the major source of motivation for and applications



of the former; content of V 3027 and V 3202 with applications to population biology, economics, physics, chemistry, electrical circuits, and manifold theory. — Y. Flicker.

*Prerequisite:* Calculus II. May be taken concurrently with Calculus III.

*This course is intended for students in the mathematical, physical, biological and social sciences.*

*One course credit.*

*M W 1:10-2:25.*

## **W 3040x, V 3041y. Introduction to Modern Algebra.**

Introduction to groups, rings, fields, with examples; polynomials, algebraic number fields, the Galois theory and applications. — J. Sturm.

*Prerequisite:* Calculus IV. Mathematically mature students may, with permission of the instructor, take this course after completing Calculus II or III.

*One course credit.*

*Tu Th 1:10-2:25.*

## **W 4061x, W 4062y. Introduction to Modern Analysis.**

Real numbers; metric spaces; elements of general topology; continuous functions; implicit function theory; measure and integration; change of variables in integration; Banach spaces and Hilbert spaces; bounded operators; examples and applications; further topics chosen by the instructor. — N. Stanton.

*Prerequisite:* Calculus IV or the equivalent.

*One course credit.*

*M W 4:10-5:25.*

## **V 3202x. Linear Algebra.**

Vector spaces, linear transformations, matrices, quadratic and hermitian forms, reduction to canonical forms. — S. Wolpert.

*Prerequisite:* Calculus II or the equivalent.

*Primarily for majors in mathematical statistics, the physical sciences, biology, and the social sciences.*

*One course credit.*

*M W F 10:00.*

## **V 3375x. Geometric Topology.**

Fundamental group; Seifert-Van Kampen theorem, covering spaces, classification of 2-manifolds, simplicial homology. — J. Harer.

*Prerequisite:* Courses V 3040 and W 4061.

*This course is intended primarily for mathematics majors.*

*One course credit.*

*M W F 10:00.*

## **V 3386y. Differential Geometry.**

Local and global differential geometry of submanifolds of Euclidean 3-space; Frenet formulas for curves; various types of curvatures for curves and surfaces and their relations; Gauss-Bonnet theorem. — J. Harer.

*Prerequisite:* Calculus IV or the equivalent.

*One course credit.*

*M W F 10:00.*

## **V 3901x-V 3902y. Supervised Readings in Mathematics.**

Guided reading and study in mathematics. A student who wishes to undertake individual study under this program must present a specific project to a member of the staff and secure his or her willingness to act as sponsor. Sponsorship is limited to full-time instructors listed on the staff list. Written reports and periodic conferences will be required. — Staff.

*Permission of the chairman and of the staff member who agrees to act as sponsor are required.*

*The written permission must be deposited with Ms. Georgiadis, Room 602 Mathematics Building, before registration is completed.*

*One course credit.*

*Hours to be arranged.*

## **V 3951x-V 3952y. Undergraduate Seminars in Mathematics.**

Subject matter announced at the start of registration and is different in each section. Each student prepares talks, to be given to the seminar, under the supervision of a faculty member or senior teaching fellow. — x: J. Morgan; y: D. Grayson.

*Prerequisite:* Two years of calculus and at least one year of additional mathematics courses, and the permission of the department chairman.

*One course credit.*

*Consult 6th floor bulletin board, Mathematics Building, for organizational meeting date and time, during registration period.*

## **GRADUATE COURSES**

Certain graduate courses given in the University are open to qualified majors with the consent of the major adviser. These courses are described in the Bulletin of the Graduate School of Arts and Sciences.

# Medieval and Renaissance Studies

Office: 206 Milbank Hall

Telephone: 280-5418, 5417

This program is supervised by the Committee on Medieval and Renaissance Studies:

**Professor of Italian**

Maristella Lorch (Chairman)

**Professors of English**

Ruth Kivette, Anne Prescott<sup>3</sup>

**Professor of French**

Tatiana Greene<sup>2</sup>

**Professor of History**

Suzanne Wemple (Adviser)

**Professor of Music**

Hubert Doris<sup>1</sup>

**Associate Professor of English**

Lois Ebin

**Associate Professor of Spanish**

Marcia Welles

**Assistant Professor of Art History**

Jane Rosenthal

**Assistant Professor of Spanish**

Helene de Aguilar

**Lecturer in German**

Regina Ayre

**Consultants**

Ewert Cousins, Visiting Professor of Medieval and Renaissance Studies

Howard Davis, Professor of Art History (Columbia)

Kenneth Janes, Professor of English

Howard Schless, Professor of English (Columbia)

Barry Ulanov, Professor of English

<sup>1</sup>Absent on leave, Autumn Term

<sup>2</sup>Absent on leave, Spring Term

<sup>3</sup>Absent on leave, 1980-1981

This program enables undergraduates to acquire a thorough knowledge of the most important aspects of the Medieval and Renaissance civilizations, and to gain an awareness of the interdependence of historical and cultural developments.

## REQUIREMENTS FOR THE MAJOR

Major programs are established individually with a concentration in one of the disciplines: art history, history, one of the literatures, philosophy, romance philology, music, or religion. A sequence of five courses to be taken in the field of concentration has been developed by the relevant department.

A minimum of twelve courses are required for the major in Medieval and Renaissance Studies, distributed as follows:



# Medieval and Renaissance Studies

5 courses in the area of concentration;

2 history courses;

3 Medieval and Renaissance Studies courses;

2 electives to be chosen in consultation with the adviser.

Students are required to write a senior essay, either in a Medieval and Renaissance Studies course or in a senior level seminar in the discipline of their concentration.

## Language Requirements

**Medieval Studies.** A reading knowledge of one Romance or Germanic language is required. In special cases students may petition for another language. Students are expected to acquire a reading knowledge of Medieval Latin before graduation. (See Latin 33, *Medieval Literature*.)

**Renaissance Studies.** A reading knowledge of two languages, preferably Latin and Italian, must be acquired before graduation.

Mimeographed lists of concentration courses are available from the Program Adviser, 413 Lehman Hall.

## REQUIREMENTS FOR THE MINOR

There is no minor in Medieval and Renaissance Studies.

## COURSES OF INSTRUCTION

### 80y. Myth and History. Advanced Seminar.

An exploration through history and fiction of the origins and dimensions of German culture in the High Middle Ages (1150-1250) and of Spanish culture in the era of the Hapsburgs (1450-1550).

— H. Aguilar and R. Ayre.

*One course credit.*

*Tu 1:10-2:50, Th 1:10-2:00.*

### 81x. Italian Renaissance Courts and the Theater.

Relation of the textual to the dramatic, musical, choreographic and visual elements and the social nature of the encounter between the public and the actors and performers. — H. Doris and M. Lorch.

*Offered every three years. Offered in 1981-1982.*

*One course credit.*

### 82y. Iconography and Allegory.

Central forms and procedures of medieval and Renaissance iconography and allegory; movement of signs, symbols and narratives from religion and philosophy into literature. — E. Cousins and B. Ulanov.

*Offered every three years. Offered in 1981-1982.*

*One course credit.*

### 83x. Medieval Drama: Dramatics and Liturgy. Introductory Seminar.

Change from Biblical narrative to poetic drama, major scenes and imagery, and lateral staging, a medieval method new to modern theater. Literary study of medieval drama and production of sections of a major cycle (*Ludus Coventriae*). First half-semester: 2 hours text, 1 hour production; second half-semester: 1 hour text, 2 hours production. — K. James and H. Schless.

*Enrollment limited to 25 students.*

*Offered every three years. Offered in 1981-1982.*

*One course credit.*

### 84y. Renaissance Humanism: Its Sources, Forms and Legacy. Advanced Seminar.

Humanistic literature in Europe (1400-1500); forms of humanistic literature, the humanist concern with Christianity as religion, humanism and education, politics and the visual arts. — M. Lorch.

*Offered in alternate years. Offered in 1981-1982.*

*One course credit.*

### 86y. Women in the Middle Ages: Ideals and Reality.

Position of women in the medieval social structure and as reflected in the image of women in literature and art. Women's contributions to art and literature and some common medieval stereo-

# Medieval and Renaissance Studies

types examined on the basis of primary evidence, letters, manuals, documents, literary texts, and works of art. — L. Ebin, J. Rosenthal and S. Wemple.

*One course credit.*

*Tu 1:00-2:00, Th 1:00-3:00.*

## **90y. Senior Seminar.**

Texts central to the continuity and reappraisal of medieval and Renaissance traditions. Readings linked to the student's experience in various fields provide a context for the preparation of a senior thesis. — Members of the Committee.

*One course credit.*

*Hours to be arranged.*

## **History-Italian V 3197x. Dante's World. Introductory Seminar.**

Historical background of Dante's political, social and ethical thought and literary analysis of its poetical rendering. Major theological themes in medieval thought as a background to and influence upon the *Divine Comedy*. Development of visual arts and ideas especially in the painting of Giotto. — M. Lorch and S. Wemple with participation of H. Davis and E. Cousins.

*Offered in alternate years. Offered in 1980-1981.*

*One course credit.*

*Tu 4:10-6:00 plus an additional hour of readings for students using this course to fulfill requirements in Italian to be arranged.*

## **Latin 33y. Medieval Literature.**

Survey of representative late Latin and medieval texts; readings from the Church Fathers, sacred and secular lyric, history, romance, satire, and biography; practice in paleography. — L. Lenaghan.

*Prerequisite: Three semesters of college Latin or permission of the instructor.*

*One course credit.*

*M W F 1:10.*



# Music

Office: 409 Milbank Hall

Telephone: 280-5417

## Professors

Patricia Carpenter, Hubert Doris (Chairman)<sup>1</sup>

## Assistant Professor

James M. Baker

## Associate

Peter Schubert

Other officers of the University offering courses listed below:

## Professors

Jack Beeson, Joel Newman, Leeman Perkins, Howard Shanet

## Associate Professor

Fred Lerdahl

## Assistant Professors

Nancy Baker, Max Lifchitz, Kay Shelemay, Mark Zuckerman

## Lecturer

Christopher Hatch

<sup>1</sup>Absent on leave, Autumn Term

The offerings of the department are designed to encourage the study of music as an art and a craft within the framework of the liberal arts. The courses in the Theory sequence are intended to develop an understanding of the way Western music has developed from the Renaissance to the present. These courses prepare the student practically and analytically for the courses in the History sequence. The History sequence covers the period from the Middle Ages to the mid-twentieth century, emphasizing not only the purely historical development of music, but also its place as an art in society.

The department provides practice rooms at nominal charge. Preference in assigning hours is given in order of application to music majors and those enrolled in courses given by the department. Application for practice time should be made at the Office of Buildings and Grounds, Milbank Hall; during registration and the first week of classes by music majors, and by all others during the week following.

Books, scores, and records are available at the Barnard College Library. The Columbia University Music Library contains an extensive collection of music materials for reference, research, and circulation. In addition, phonographs with a large collection of recordings are also available for use by students registered in music courses other than Music 1-2, *An Introduction to Music*.

Students contemplating a career in performance or composition should consult the announcement for the Program in the Arts, pages 90.

## REQUIREMENTS FOR THE MAJOR

The music major is a demanding one, but it is hoped that the student will find time to follow special courses of particular interest from among those presented in the Literature and History section of the departmental offering.

# Music

A total of 14 courses is required for the major:

|   |  |
|---|--|
| V 2100-V 2101, V 2300-V 2301,<br>V 2303, V 2305 | <i>Theory I, II, III, IV, V, and VI.</i>   |
| V 3123, V 3124, V 3125,<br>V 3126               | <i>History I, II, III, and IV</i>  |
| V 3179-V 3180                                   | <i>Seminar: Historical and Analytical Studies<br/>in the Literature of Music</i> |
| V 3373-V 3374                                   | <i>Orchestration, Conducting, and Score<br/>Reading</i>                          |

A student intending to major in music should start with Music V 2100 and V 3123 as early as possible. Course 1-2, though a prerequisite for more advanced literature courses, is not required of music majors, since they cover the same kind of materials in greater depth in the courses already required of them. Applied music (a maximum of two courses) may be counted toward the degree, but is not required.

Students planning to do graduate work in theory or ethnomusicology must know at least two foreign languages, including German and French. Those planning graduate work in historical musicology must know Latin, and German or French. Courses in art history, history, philosophy, literature, and foreign languages are recommended for their relationship with musical studies, and should be elected after consultation with the department.

Students are advised to consult the Bulletin of the Graduate School of Arts and Sciences for those courses open to seniors and others with advanced training.

Students planning to major in music will be expected to file with the department certificates stating that they have passed an examination in elementary piano. A student found deficient in piano technique is required to take supplementary piano lessons until an appropriate level of proficiency at the keyboard has been reached, such proficiency to be certified by Mr. Østbye no later than the end of the first term of the senior year. As with other applied music activities, these lessons will carry the equivalent of one quarter academic credit per semester.

Majors must have participated for two years in the chorus, orchestra, choir, concert band, collegium musicum, chamber music, or other musical ensembles by the time they are graduated. A senior major is required to prepare a research paper, project or a recital with essay to be planned in consultation with her adviser no later than the beginning of the senior year.

## REQUIREMENTS FOR THE MINOR

A minimum of six courses is required for the minor, four terms in the Theory sequence and two terms in the History sequence.

## COURSES OF INSTRUCTION

### LITERATURE AND HISTORY

#### **1x-2y. An Introduction to Music.**

Elements of musical structure designed to form intelligent listening habits, and of the several great epochs of music, with emphasis on their style and structure. — Staff.

*No previous knowledge of music is required.*

*This course is not designed for students majoring in music.*

*One course credit.*

*Section I M W 1:10-2:25.*

*Section II Tu Th 10:35-11:50.*

*Section III M W 11:00-12:15.*

#### **V 1004y. Literature of the Pianoforte.**

Selected works of piano music from the eighteenth century to the present. — H. Doris.

*Prerequisite: Course 1-2 or the equivalent.*

*Offered in alternate years. Offered in 1981-1982.*

*One course credit.*

#### **V 1005y. The Opera.**

Survey of the development of opera from Monteverdi to the present. — J. Beeson.

*Prerequisite: Course 1-2 or the equivalent.*

*Offered in alternate years. Offered in 1980-1981.*

*One course credit.*

*M W 1:10-3:00. One hour is a listening hour.*



## **V 1006x. The Symphony.**

Survey of symphonic style and structure from 1750 to the present. — N. Baker.

*Prerequisite: Course 1-2 or the equivalent.*

*One course credit.*

*M W 1:10-3:00. One hour is a listening hour.*

## **V 1007x. Music of the World's Peoples.**

Introduction to musical theories and practices of the world. — K. Shelemay.

*Prerequisite: Course 1-2 or the equivalent.*

*One course credit.*

*M W 3:10-5:00. One hour is a listening hour.*

## **V 1008x. Twentieth-Century Music.**

Survey of contemporary music from the late 19th century to the present. — K. Shelemay.

*Prerequisite: Course 1-2 or the equivalent.*

*One course credit.*

*Tu Th 1:10-3:00. One hour is a listening hour.*

## **V 1015y. American Music.**

Survey of music in America from colonial times through the 1950s; the relationship between folk, "entertainment," and art music. — J. Newman.

*Prerequisite: Course 1-2 or the equivalent.*

*One course credit.*

*Tu Th 2:10-4:00.*

## **V 1023y. Bach.**

Bach's principal works examined in the light of his stylistic development and musical environment. — J. Newman.

*Prerequisite: Courses 1-2 and V 2300-V 2301.*

*Offered in alternate years. Offered in 1981-1982.*

*One course credit.*

## **V 1617x. Electronic Music: Its Evolution and Techniques.**

Survey of electronic music from 1948 to 1968; analysis of compositional techniques and their evolution and applications by various groups and individual composers. Technical procedures employed in creating sound materials. — Instructor to be announced.

*Prerequisite: Course V 2101 or the equivalent and written permission of the instructor.*

*One course credit.*

*Tu 2:10-4:00.*

## **V 3021y. Schoenberg.**

Music and writings of Arnold Schoenberg in light of his role as conservator and innovator. Representative works, with emphasis on Schoenberg's place within the tradition of classic tonal music and his importance to the music of the twentieth century. — P. Carpenter.

*Prerequisite: Courses V 2300-V 2301 or permission of the instructor.*

*Offered in alternate years. Offered in 1980-1981.*

*One course credit.*

*Tu Th 2:40-3:55.*

## **V 3042x. Aesthetic Disciplines in Music.**

Basic concepts in aesthetics applied to music; resulting problems in describing, explaining, and evaluating music. — P. Carpenter.

*Permission of the instructor required.*

*Not offered regularly. Not offered in 1980-1981.*

*One course credit.*

## **V 3123x. History I.**

Western music to the early sixteenth century.

*Prerequisite or Corequisite: Course V 2100 or the equivalent.*

*One course credit.*

*Section I M W 2:10-4:00. One hour is a listening hour. L. Perkins.*

*Section II Tu Th 5:40-7:30. One hour is a listening hour. J. Newman.*

## **V 3124y. History II.**

Western music from the early sixteenth century to the end of the seventeenth century.

*Prerequisite: Course V 3123 or permission of the instructor.*

*One course credit.*

*Section I M W 2:10-4:00. One hour is a listening hour. L. Perkins.*

*Section II Tu Th 5:40-7:30. One hour is a listening hour. J. Newman.*

## **V 3125x. History III.**

Western music from the end of the seventeenth century to the early nineteenth century.

*Prerequisite: Course V 3124 or permission of the instructor.*

*One course credit.*

*Section I M W 2:10-4:00. One hour is a listening hour. C. Hatch.*

*Section II Tu Th 5:40-7:30. One hour is a listening hour. N. Baker.*

## **V 3126y. History IV.**

Western music from the early nineteenth century to the mid-twentieth century.

*Prerequisite: Course V 3125 or permission of the instructor.*

*One course credit.*

*Section I M W 2:10-4:00. One hour is a listening hour. K. Shelemay.*

*Section II Tu Th 5:40-7:30. One hour is a listening hour. C. Hatch.*

## **V 3179x-V 3180y. Seminar. Historical and Analytical Studies in the Literature of Music.**

Required seminar for senior majors to supplement and coordinate previous studies.

*Prerequisite: Three years of the theory sequence, two years of the history sequence, and Courses V 3373-V 3374, or written permission of the instructor.*

*One course credit.*

*Section I W 3:10-5:00. P. Carpenter; H. Doris.*

*Section II Th 3:10-5:00. J. Beeson; H. Shanet.*

# Music

## THEORY

### **V 1329x, V 1329y. Musicianship.**

Basic elements of music studied with the aim of developing musicianship. — Staff.

*Prerequisite:* Placement examinations will be given at the first class meeting.

*One course credit.*

*Sections I, II, III Tu Th 4:10-5:25.*

All students taking the Music Theory sequence (V 2100 through V 2305) must take a placement examination in ear-training, and must satisfy the ear-training requirement either through the placement examination or the completion of the ear-training sequence V 2000 through V 2003. *These courses carry one quarter course credit each toward the degree.*

### **V 2000x, V 2000y. Ear-training. Level I.**

Intervals, rhythms, and melodic lines, for dictation and sight-singing. — Staff.

*Sections I, II Tu Th 9:00.*

### **V 2001x, V 2001y. Ear-training. Level II.**

Three- and four-tone chords and simple passages, for dictation and sight-singing. — Staff.

*Prerequisite:* Course V 2000 or the equivalent.

*Sections I, II Tu Th 9:00.*

### **V 2002x, V 2002y. Ear-training. Level III.**

Cadences and chord progressions, for dictation and sight-singing. — Staff.

*Prerequisite:* Course V 2001 or the equivalent.

*M W 9:00.*

### **V 2003x, V 2003y. Ear-training. Level IV.**

Modulations and extended musical passages, for dictation and sight-singing. — Staff.

*Prerequisite:* Course V 2002 or the equivalent.

*M W 9:00.*

### **V 2100x-V 2101y. Theory I and II.**

Autumn Term: modal counterpoint in two parts; all species (five), invertible counterpoint at the octave and the twelfth, and canon. Spring Term: Diatonic harmony in four parts; triads and transformations (inversions and diatonic seventh chords); techniques of prolongation, embellishment, tonicization, and auxiliary (neighbor) modulations. — Staff.

*Prerequisite:* A grade of B-minus or higher in Section III of Course V 1329 or on an equivalent examination given by the Department of Music and on the placement test for ear-training.

*Corequisite:* An appropriate level of the ear-training sequence (until completion of that sequence) as indicated by the placement test.

*One course credit.*

*Sections I, II, III Tu Th 1:10-2:25.*

*Laboratory Tu Th 2:30-3:20.*

*Section IV M W 5:40-6:55.*

*Laboratory M W 7:00.*

### **V 2100y, V 2101x. Theory I and II.**

Equivalent to V 2100x-V 2101y. — J. Baker.

*Prerequisite:* A grade of B-minus or higher in Section III of Course V 1329 or on an equivalent examination given by the Department of Music and on the placement test for ear-training.

*Corequisite:* An appropriate level of the ear-training sequence (until completion of that sequence) as indicated by the placement test.

*One course credit.*

*Tu Th 1:10-2:25.*

*Laboratory Tu Th 2:30-3:20.*

### **V 2300x-V 2301y. Theory III and IV.**

Eighteenth-century harmonic and contrapuntal techniques; double counterpoint, canon, two-part writing in the form of binary movements, inventions, and contrapuntal settings of chorale tunes.

*Prerequisite:* A grade of B-minus or higher in Course 2101, or on an equivalent examination given by the Department of Music, and Course V 2000 or Course V 2001.

*Corequisite:* An appropriate level of the ear-training sequence (until completion of that sequence) as indicated by the placement examination.

*One course credit.*

*Section I Tu Th 10:35-11:50. M. Lifchitz*

*Section II M W 5:40-6:55. F. Lerdahl.*

### **V 2303x. Theory V.**

Selected eighteenth- and nineteenth-century works. — P. Carpenter.

*Prerequisite:* Courses V2300-V2301 or the equivalent.

*Corequisite:* Appropriate ear-training sequence (until completion of that sequence) as indicated by the placement examination.

*One course credit.*

*Section I Tu Th 10:35-11:50.*

### **V 2305y. Theory VI.**

Introduction to harmonic and contrapuntal techniques and structural principles of twentieth-century music: selected twentieth-century works. — P. Carpenter.

*Prerequisite:* Course V 2303 or the equivalent.

*Corequisite:* appropriate ear-training sequence (until completion of that sequence) as indicated by placement examination.

*One course credit.*

*Section I Tu Th 10:35-11:50.*

### **V 3239x-V 3240y. Composition.**

Composition in the smaller forms, for voice, chorus, piano, organ, and pieces for violin or other instruments with piano. — M. Zuckerman.

*Prerequisite:* Course V 2301 or written permission of the instructor.

*One-half course credit.*

*Tu 4:10-6:00.*



## **V 3241x-V 3242y. Advanced Composition.**

Continuation of Course V 3239x-V 3240y. — M. Lifchitz.

*Prerequisite:* V 3239-V 3240 and permission of the instructor.

*One course credit.*

*Tu 1:10-3:00.*

## **V 3373x-V 3374y. Orchestration, Conducting and Score Reading.**

Lectures and practice in orchestration and score-reading, supplemented by practical demonstrations of instruments.

*Prerequisite:* Course V 2101 or the equivalent.

*One course credit.*

*Section I Tu Th 2:10-3:25. x: M. Zuckerman; y: H. Doris.*

*Section II Tu Th 5:40-6:55. M. Lifchitz.*

## **PERFORMANCE ACTIVITIES (Applied Music)**

A detailed description of the following activities is given in *A Guide to Barnard*.

Academic credit, granted by petition at the end of the semester, amounting to one quarter of a course per semester is given for participation in the following activities, with the exception of Music for an Hour.

Audition and rehearsal schedules for all activities will be posted outside the Columbia departmental office, 703 Dodge Hall, at least one week before registration.

## **V 1591x-V 1592y. University Orchestra and Chamber Music.**

Auditions during registration period by appointment, Room 703 Dodge Hall. Students who register for orchestra alone will receive one course credit for four semesters, and will be charged at the rate of one-quarter course each semester. Students who register for orchestra and chamber music will receive one course credit for two semesters, and will be charged at the rate of one course each semester. — H. Shanet and Staff.

*Audition necessary.*

*One-quarter or one-half course credit (see description).*

*M 5:30-7:30 and additional rehearsals in the three weeks preceding each public concert.*

## **V1593x-V1594y. Barnard-Columbia Chorus.**

Auditions by appointment made at the first class meeting. Students who register for chorus will receive a maximum of one course credit for four or more semesters, and will be charged at the rate of one-quarter course each semester. — P. Schubert.

*Audition necessary.*

*One-quarter course credit (see description).*

*Tu Th 6:00-8:00.*

## **UNIVERSITY BANDS**

Auditions: Concert Band, during registration week and by appointment. — W. Brown.

*Rehearsals. Tu Th 4:00-6:00.*

## **COLLEGIUM MUSICUM**

This organization acquaints the student with certain neglected and unfamiliar masterpieces of vocal and instrumental music not heard in concerts elsewhere. Music majors are particularly urged to attend the meetings and to participate in performances.

## **MUSIC FOR AN HOUR**

This series of informal chamber concerts, held the last Tuesday in every month in the Sulzberger Parlor, is designed to give all interested instrumentalists a chance to perform for the University community. All those interested in participating should consult the department.

## **INSTRUMENTAL INSTRUCTION**

Written permission from the chairman. Registration in these courses is limited to music majors and students enrolled in the Theory sequence. Students will receive one course credit for four semesters, and will be charged at the rate of one course each semester.

# Oriental Studies

Office: 321A Milbank Hall

Telephone: 280-5417

## Professors

John Meskill, Barbara Stoler Miller, (Chairman)

Other officers of the University offering courses listed below:

## University Professor

W. Theodore de Bary

## Professors

Edward Allworth, Pierre J. Cachia, Ainslie T. Embree (History), Nina Garsoian (History), Gary K. Ledyard, H. Paul Varley, Alex Wayman, Herschel F. Webb, Ehsan Yarshater

## Visiting Professor

Aptullah Kuran

## Associate Professors

Kathleen R.F. Burrill, Maan Z. Madina

## Senior Lecturer

Jeannette Wakin

## Assistant Professors

Peter Awn (Religion), Carol N. Gluck, John Huehnergard (History), David Johnson, Stephen Rittenberg (History), George Saliba, Marsha L. Wagner

## Lecturers

Irene Bloom, Robert Hymes, John Russell, Madeline Zelin

The primary aim of Oriental Studies is to introduce major Asian civilizations, their works and values, as a means of expanding knowledge of the varieties and unities of human experience. The General Courses below are designed for any student, whatever her major interests, who wishes to include knowledge of Asian life in her education.

Study in an East Asian or Middle Eastern language is required for the degree. The satisfactory completion of one of the following courses offered in the departments of East Asian Languages and Cultures, and Middle East Languages and Cultures satisfies the requirement in the respective languages: Akkadian G 4204, *Intermediate Akkadian: Introduction to Old Babylonian*; Arabic W 1122, *Intermediate Modern Arabic*; Armenian W 1124, *Intermediate Armenian*; Chinese C 1202 or F 1202, *Intermediate Chinese* (second stage); Hebrew W 1122, *Intermediate Modern Hebrew*; Hindi F 1122, *Intermediate Hindi*; Japanese C 1202 or F 1202, *Intermediate Japanese* (second stage); Persian W 1122, *Intermediate Persian*; Sanskrit G 6102, *Intermediate Sanskrit*; or Turkish W 1122, *Intermediate Turkish*.

Literature courses in the departments of East Asian Languages and Cultures and Middle East Languages and Cultures in which readings are in the original languages may be used to fulfill the Barnard distribution requirements only with the permission of the Chairman of Oriental Studies.

Students who wish to enter Chinese or Japanese language courses above the introductory level *must* pass a language placement test before registering. Placement exams are given during the week *before* classes begin — contact Department of East Asian Languages and Culture (407 Kent) for exact dates. For placement above the introductory level in Arabic, Hebrew, Persian, Sanskrit, or Turkish, contact the Department of Middle East Languages and Cultures (609 Kent).



REQUIREMENTS FOR THE MAJOR

A student who plans to major in Oriental Studies is advised to consult a member of the department in the spring semester of her freshman year. Majors in the program come under the administration of the Committee on Foreign Area Studies. For admissions procedures and other details, see page 134.

To major in Oriental Studies, a student will choose to follow one of two tracks, East Asia or Middle East.

The East Asian Track

A minimum of 12 courses is required, including

2 of the following courses

|  |   |
|--|---|
| Oriental Civilizations-Middle East<br>V 3001 | <i>Introduction to Major Topics in Asian Civilizations: The Middle East and India</i> |
| Oriental Civilizations-East Asia<br>V 3002   | <i>Introduction to Major Topics in Asian Civilizations: East Asia</i>                 |
| Oriental Civilizations V 3559                | <i>Introduction to the Civilization of China</i>                                      |
| Oriental Civilizations V 3361                | <i>Introduction to the Civilization of Japan</i>                                      |
| East Asian V 3201                            | <i>Introduction to East Asian Civilization: Korea and Vietnam</i>                     |

4 to 6 courses of an appropriate language, selected in consultation with an adviser;

4 courses on East Asia chosen from among those listed below, or with the adviser's permission, from the listings of other departments (Oriental Humanities V 3399-V 3400, *Colloquium*, may be substituted for one of the courses in this category); and

2 courses chosen from among East Asian seminars, East Asian W 4103, *Historiography of East Asia*; East Asian W 4101, *Critical Approaches to Chinese and Japanese Literature*; and Oriental Studies 99, *Independent Study*.

The Middle East Track

A minimum of 12 courses is required, including

|  |   |
|--|---|
| Oriental Civilizations-Middle East<br>V 3001 | <i>Introduction to Major Topics in Asian Civilization: The Middle East and India.</i> |
|--|---|

4 to 6 courses of an appropriate language (Akkadian, Arabic, Armenian, Hebrew, Hindi-Urdu, Persian, Sanskrit, Turkish, or Uzbek), selected in consultation with an adviser;

A minimum of 6 courses chosen as a concentration. The concentration may be in ancient Semitic languages and cultures, Arabic studies, Armenian studies, Central Asian studies, Hebrew language, Indian studies, Iranian studies, or Turkish studies. The courses required in each of the concentrations and other details will be explained by the adviser. The courses listed under Middle East below represent a selection among those required in one or another of the concentrations. See also the note on Graduate Courses at the end of this section.

REQUIREMENTS FOR THE MINOR

No minor is offered in Oriental Studies.

# Oriental Studies

## COURSES OF INSTRUCTION

### GENERAL COURSES

**Oriental Civilizations-Middle East V 3001x. Introduction to Major Topics in Asian Civilization: The Middle East and India.**

Interdisciplinary and topical approach to major issues and phases in development of Asian civilizations and their role in the contemporary world. — P. Awn and A. Embree.

*One course credit.*

*Tu Th 10:00-12:00.*

**Oriental Civilizations-East Asia V 3002y. Introduction to Major Topics in Asian Civilization: East Asia.**

Interdisciplinary and topical approach to major issues and phases in development of Asian civilizations and their role in the contemporary world. — W.T. deBary, C. Gluck, G. Ledyard and H.P. Varley.

*One course credit.*

*Tu Th 10:00-12:00.*

**Oriental Civilizations-Middle East V 3003x-V 3004y. Introduction to Islamic Civilization.**

Islamic civilization and its characteristic political, social, and religious institutions and intellectual traditions. Autumn Term: from pre-Islamic Arabian setting to 1800 A.D. Spring Term: from 1800 to the present. — M. Madina and J. Wakin.

*One course credit.*

*M W 2:00-3:15.*

**Oriental Civilizations-Middle East V 3357y. Introduction to the Civilization of India.**

Multidisciplinary introduction to Indian civilization, traditional and modern; art and literature. — S. Rittenberg.

*One course credit.*

*Tu Th 1:10-2:25.*

**Oriental Civilizations V 3359y. Introduction to East Asian Civilizations: China.**

Evolution of Chinese civilization from ancient times to the 20th century; characteristic institutions and traditions. — J. Meskill.

*One course credit.*

*Tu 2:10-3:00, Th 2:10-4:00.*

**Oriental Civilizations V 3361x. Introduction to East Asian Civilizations: Japan.**

Development of Japanese society and culture; national self-image and values as revealed in thought, institutions, literature and the national arts. — H. Webb.

*One course credit.*

*Tu 2:10-3:00, Th 2:10-4:00.*

**Oriental Studies V3379x. Readings in Oriental Studies.**

Focus for 1980-1981: place of ideas in Chinese revolutionary age. Social and political thinkers and conditions of the times. — J. Meskill.

*One course credit.*

*Th 2:10-4:00.*

**Oriental Humanities V 3399x, V 3400y. Colloquium.**

Major works of Middle Eastern, Indian, Chinese and Japanese origin. V 3399x: Koran, Sufi poetry, *Upanishads*, Buddhist sutras, *Bhagavad Gita*; V 3400y: *Analects*, *Tao-te Ching*, *Dream of the Red Chamber*, *Tale of Genji*, and Chinese and Japanese poetry. — J. Meskill.

*Prerequisite: Two courses from among literature, philosophy, religion, and Humanities, or permission of the instructor.*

*One course credit.*

*W 4:10-6:00.*

**Oriental Studies-Religion W 4399x-W 4400y. Colloquium on Major Texts of the Oriental Traditions in Religion, Ethics, Social Thought and Literature.**

Readings in translation. Autumn semester: Koran, Islamic philosophy and theology, Ibn Khaldun, Sufi poetry, the *Upanishads*, Buddhist sutras, *Bhagavad Gita*, Sankara, Indian epics and drama; Spring semester: *Analects* of Confucius, Lao Tzu, Mencius, *Lotus Sutra*, Zen texts, *Dream of the Red Chamber*, *Tale of Genji*, and Nō plays. Ethical and religious issues and their characteristic expression in diverse cultural traditions through a variety of literary forms. — P. Awn, W. deBary, C. Gluck and B. Miller.

*Knowledge of the original language not required.*

*One course credit.*

*M 3:10-5:00, W 3:10-4:00.*

**Middle East-Oriental Humanities V 3031y. Islamic Literature in Translation.**

Modern literature of the Arabs, Persians, Turks, and other Islamic peoples. — K. Burrill.

*One course credit.*

*Tu Th 10:35-11:50.*

**Middle East-Oriental Humanities V 3403y. Forms of Art in Indian Asia.**

Classical Indian poetry, drama, painting, and sculpture from the perspectives of Indian religious ritual, political patronage and aesthetic theory. — B. Miller.

*One course credit.*

*Tu 2:10-4:00, plus conference hours, guest lectures, museum trips and film viewings.*



**Oriental Humanities V 3200x. Oriental Encounters: The American Experience.**

Oriental classics of India, China, and Japan through the perceptions of Emerson, Thoreau, Whitman, Eliot, Pound, Merton, Kerouac, Ginsberg, and Snyder. The *Bhagavad Gita*, the *Dhammapada*, Zen dialogues and other sources relevant to the work of these writers. — B. Miller. *Not offered in 1980-1981.*

*One course credit.*

**Oriental Humanities V 3340x. Masterpieces of Art in China, Japan, and Korea.**

Selected masterpieces of painting, sculpture, and architecture from the Han Empire in China to modern times in Japan, in relation to contemporary history, philosophy, religion, and literature. *Not offered in 1980-1981.*

*One course credit.*

**Oriental Studies-Philosophy C 3915y. Philosophical Problems in Human Rights: A Comparative Analysis of Eastern and Western Traditions.**

Idea of human rights in Western and Eastern traditions. Plural sources for contemporary interpretations of human rights, including classic works of Western and Eastern moral and political philosophy. Philosophical analysis of conceptual and methodological questions present in determining the meaning, scope, and justification of human rights is undertaken. Relevance of this analysis for practical aspects of contemporary discussions of international rights questions. — I. Bloom and D. Sidorsky.

*Not offered regularly. Not offered in 1980-1981.*

*One course credit.*

**Oriental Studies 99x, 99y. Independent Study.**

Specialized reading and research projects planned in consultation with members of the Oriental Studies teaching staff. — Staff.

*Open to majors who have fulfilled basic major requirements on written permission of the staff member who will supervise the project.*

*One course credit.*

*Hours to be arranged.*

**EAST ASIAN**

**East Asian V 3201y. Introduction to East Asian Civilization: Korea and Vietnam.**

Survey of Korean and Vietnamese history and culture; special problems of these "buffer" states within East Asia in both traditional and modern times. — G. Ledyard.

*One course credit.*

*M W 4:10-5:25.*

**East Asian V 3310y. Rebellion and Revolution in Modern China.**

Social protest and revolutionary movements in 19th- and 20th-century China; sectarian rebellion, secret societies and development of the communist revolution. — M. Zelin.

*One course credit.*

*M W 11:00-12:15.*

**East Asian V 3510y. Love Poetry in China and Japan.**

Selected poems in translation, covering a wide range of periods and genres; folk songs and court poetry, male and female poets, religious texts and popular ballads, Chinese and Japanese aesthetics, as contrasted with Western literary theories and poetic traditions. — M. Wagner.

*One course credit.*

*Tu Th 1:10-2:25.*

**East Asian V 3520x. Two Great Novels and their Worlds: Tale of Genji and Dream of the Red Chamber.**

Two masterpieces of Japanese and Chinese fiction, in translation, and through them the societies which they reflect. — M. Wagner.

*One course credit.*

*M W 1:10-2:25.*

**East Asian V 3540y. Processes of Modernization in China and Japan.**

Modernization process in China and Japan in the last century; institutional and cultural change. — R. Hymes and H. Varley.

*Offered in alternate years. Offered in 1980-1981.*

*One course credit.*

*M W 2:40-3:55.*

**East Asian V 3610y. Social Change Reflected in the Literature and Films of Modern Japan.**

Changes in society and values during the modernization of Japan from the mid-19th century until the present, using fiction, diaries, popular culture, and films. — C. Gluck.

*One course credit.*

*M W 1:10-2:25.*

**East Asian V 3620x. Japan: The Aesthetic Tradition.**

Cultural history, stressing aesthetic sensibility of the Japanese as revealed in religion, society, thought, and the arts. Landscape gardens, the culture of tea, Nō theater, and modern "I-novel." — H. Varley.

*One course credit.*

*M W 2:40-3:55.*

**East Asian W 3902y. Senior Seminar: China.**

R. Hymes and staff.

*Permission of the chairman required.*

*One course credit.*

*Hours to be arranged.*

# Oriental Studies

## **East Asian 3904y. Senior Seminar: Japan.**

H. Varley and staff.

*Permission of the chairman required.*

*One course credit.*

*Hours to be arranged.*

## **East Asian W 4101x. Critical Approaches to Chinese and Japanese Literature.**

Principles of literary theory developed in the West, contrasted with literary criticism of China and Japan. Application of these critical methods to selected works of Chinese and Japanese poetry and prose. — M. Wagner.

*One course credit.*

*Tu Th 1:10-2:25.*

## **East Asian W 4103y. Historiography of East Asia.**

Major issues in the practice of history illuminated by a comparison of the works of great occidental and oriental historians, with emphasis on China. — D. Johnson.

*One course credit.*

*F 1:10-3:00.*

## **History-Japanese W 3600x. World War II in American and Japanese History.**

From the separate and differing viewpoints of the two nations, an examination of the war as a central experience in recent history. Meaning and impact of the war on social, political, and intellectual life in the period from Versailles through Vietnam. — C. Gluck with lectures by H. Graff, J. Shenton and others.

*One course credit.*

*M W 11:00-12:15.*

## **MIDDLE EAST**

### **Armenian W 3001y. Introduction to Armenian Civilization.**

Survey of Armenian history and civilization from antiquity to the present. — J. Russell.

*One course credit.*

*M W 10:00-11:15.*

### **Armenian History G 4501x, G 4502y. Armenian History and Civilization, I and II. (formerly History W 4501x, W 4502y)**

Introduction to the history and culture of Greater Armenia from the pre-Armenian Urartean period to the end of the Bagratid dynasty. — N. Garsoian.

*One course credit.*

*Tu 2:10-4:00.*

### **Central Asian W 4003y. History of Afghan and Russian Central Asia.**

Impact and style of ideal and actual leaders, from potentates to party secretaries, during a period of decline and resurgence and East-West confrontation; the 18th century to the Soviet period. — E. Allworth.

*One course credit.*

*Th 2:40-5:25.*

### **History W 1001x. History of Ancient Egypt and the Eastern Mediterranean.**

J. Huehnergard.

*One course credit.*

*M W 6:10-7:25.*

### **History W 1002y. History of Ancient Mesopotamia and Asia Minor.**

J. Huehnergard.

*One course credit.*

*M W 6:10-7:25.*

### **History-Middle East G 4470y. Topics in the Ancient History of Southwest Asia.**

Southwest Asia in ancient times, considering both textual and archaeological evidence. — J. Huehnergard.

*Topic for 1980-1981: Syria-Palestine in the second millennium B.C.E.*

*Knowledge of the original languages is not required.*

*One course credit.*

*Th 2:10-4:00.*

### **History W4825x-W4826y. History of Modern India and Pakistan.**

Development of modern India from the decline of the Mughal Empire and the first establishment of British power to the present time. — S. Rittenberg.

*One course credit.*

*M W 2:40-3:55.*

### **Indic-Religion G 4340x. The Vedic Tradition.**

Survey of the chief features of the four Vedas, the Brahmanas, and the *Upanishads* of India; the Vedic sacrifice, the opponents of Vedism, and the beginnings of Hinduism. — A. Wayman.

*One course credit.*

*W 11:00-1:00.*

### **Indic-Religion G 4454y. Indian Philosophy.**

Historical survey of Indian philosophy; Vedic philosophical fragments, the six traditional schools, heterodox systems, and aesthetic theory. — A. Wayman.

*One course credit.*

*W 11:00-1:00.*

### **Iranian W 4450y. Iranian Mythology. (formerly Persian W 4450)**

Typology of Iranian myths and legends; Indo-Iranian myths and their sources; Iranian myths as they developed in Zoroastrian Persia. Mythical and legendary history of Iran from Avestan times to the Islamic period. Iranian myths and legends as reflected in Iranian epics, folklore, and popular tales. Firdausi's *Shahnama*, a compendium of Iranian myths. — E. Yarshater.



*Knowledge of Persian not required.*  
*One course credit.*  
*M 4:10-6:00.*

**Islamic W 4206x. Modernist Thought in the Arab World.**

New currents of thought in the Muslim Arab world; relation of Islam to events of the nineteenth and twentieth centuries. — M. Madina.  
*One course credit.*  
*M 11:00-1:00.*

**Islamic G 4230x. Survey of Islamic Science.**

Survey of scientific tradition of Islam from its earliest times till the end of the Middle Ages. — G. Saliba.  
*One course credit.*  
*W 12:00-2:00.*

**Islamic G 4231y. The Sources and Development of Alchemy and Astrology in the Islamic Middle Ages.**

Sources and development of alchemy and astrology from early Islamic times to the close of Islamic Middle Ages. Social and religious reaction to the occult sciences in conjunction with their relationship to other sciences. — G. Saliba.  
*One course credit.*  
*W 12:00-2:00.*

**Islamic W 4500y. Major Themes in the Qur'an.**

Passages on the doctrine of God, views of mankind, prophethood and revelation, eschatology, notions of history. Style, structure, and history of the text. — J. Wakin.  
*Knowledge of Arabic not required.*  
*One course credit.*  
*M 2:10-4:00.*

**Islamic W 4808x. Shi'ite Islam.**

Development of Shiism in Persia; the Ismailis; Order of the Assassins; mysticism and mystic literature. — E. Yarshater.  
*One course credit.*  
*M 4:10-6:00.*

**Islamic-Religion V 2630x. Islam.**

Survey of Islamic institutions, ideas, and spirituality, their origin and development in the formative and classical periods (7th to 13th century A.D.), and their continued evolution in a variety of cultural settings. — P. Awn.  
*One course credit.*  
*Tu Th 2:40-3:55.*

**Islamic-Religion V 3635y. History of Sufism.**

History of the Islamic mystical tradition from its origins in the 8th century, through its classical and institutional phases in the 12th century and following, concluding with an evaluation of the role of Sufism in the modern Islamic world. — P. Awn.

*One course credit.*  
*M 11:00-12:15.*

**Islamic-Religion G 4610y. Islamic Religion.**

Survey of Islamic institutions in the formative and classical periods; revelation, prophecy, law, philosophy, theology, spirituality, community, religion and politics. — P. Awn.  
*A general knowledge of one other Western religion is recommended as well as familiarity with basic methodology in the study of religion.*  
*One course credit.*  
*W 2:10-4:00.*

**Middle East W 3010x. History of Astrology in the Ancient and Classical World.**

Role of astrology in the development of astronomy; calendar systems of the ancient Orient; origin of the zodiac division; deification of the planets and stellar myth; influence of astrology in Egypt, Babylon, China, Greece, Rome, Iran, and India. — A. Wayman.  
*One course credit.*  
*Tu Th 2:40-3:55.*

**Middle East W 4512x. Literature of the Mystics in the Middle East.**

Indian, pre-Islamic Iranian, Christian, Jewish and Muslim mystic literature. — K. Burrill.  
*Knowledge of a Middle East language is not required.*  
*One course credit.*  
*W 11:00-12:50.*

**Middle East W 4515y. Ethnicity and Literature.**

Significance of literature and literary institution for the existence and vitality of ethnic groups (nationalities). Criticism and creative writing and verbal art of the Soviet Union, the Middle East, and Europe. — E. Allworth.  
*Texts in English translation or other languages for those with pertinent language skills.*  
*One course credit.*  
*Tu 2:40-5:25.*

**Turkish W 4210x, W 4211y. Turkish Civilization.**

Origins and development of Anatolian Turkish culture. Arts and architecture. — A. Kuran.  
*Prerequisite: One course in the history of civilization or permission of the instructor required.*  
*One course credit.*  
*Tu Th 10:00-11:15.*

Other general courses related to Oriental Studies:

**Political Science 24y. Colloquium on Asian Political Thought.**

D. Dalton.

# Oriental Studies

**Religion V 1102x, V 1102y. Introduction to the Study of Religion: Eastern Religions.**

Also note offerings under Eastern Religions in the Religion Department.

## ORIENTAL LANGUAGE COURSES

Language courses are offered through the departments of East Asian Languages and Cultures and Middle East Languages and Cultures. Consult the listings of these departments in the Columbia College and Graduate School of Arts and Sciences bulletins for detailed descriptions of courses. Three or more years of language instruction, beginning at the elementary level, are offered in Arabic, Armenian, Chinese, Hindu-Urdu, Japanese, Persian, Sanskrit, Turkish.

## GRADUATE COURSES

Certain graduate courses given in the University may be taken by majors, with the consent of the major adviser, to supplement department offerings. Consult the Bulletin of the Graduate School of Arts and Sciences for listings.





# Philosophy

Office: 326 Milbank Hall

Telephone: 280-2064

## Professors

Sue Howard Larson, Mary Mothersill (Chairman)

## Visiting Professor

Marshall Cohen

## Associate Professor

David Hoy

## Assistant Professors

Jeffrey Miles Blustein, Rebecca Goldstein

Other officers of the University offering courses in Philosophy:

## Professors

Bernard Berofsky, Robert D. Cumming, Arthur C. Danto, Richard F. Kuhns, Jr., Isaac Levi, Sidney Morgenbesser, Charles D. Parsons, David Sidorsky, James J. Walsh

## Assistant Professors

Toni Vogel Carey, Maudemarie Clark,<sup>2</sup> Charles Larmore, Richard Patterson, Wilfried Sieg

## Senior Mellon Fellow

James Higginbotham<sup>2</sup>

<sup>1</sup>Absent on leave, 1980-1981

<sup>2</sup>Absent on leave, Spring Term

The department offers a wide range of courses designed to acquaint the student with traditional and contemporary work in ethics, metaphysics, theory of meaning, aesthetics, theory of knowledge, and philosophy of logic. The courses are designed to facilitate student participation and each class is conceived as a workshop. The student is expected to develop a competence in technique of conceptual analysis, argument, and the interpretation of texts.

Philosophy 1, *Introduction to Philosophy*, is offered each term in four or five sections. Reading and course requirements vary from year to year, and from section to section. At the intermediate level, in addition to the traditionally central subjects, there are a number of courses designed to meet the needs of students who intend to major in other fields.

The Barnard-Columbia Undergraduate Philosophy Club is an active group that sponsors regular discussion meetings with guest lecturers and social gatherings. Announcements of lectures, conferences, and special events are regularly posted in the department office.

## REQUIREMENTS FOR THE MAJOR

A major in Philosophy consists of at least 8 courses:

Philosophy C 3415 or F 3401 Formal Logic

One of the following courses

|                   |                                     |
|-------------------|-------------------------------------|
| Philosophy 9      | <i>Ethics</i>                       |
| Philosophy 63     | <i>Attitude, Action, and Reason</i> |
| Philosophy V 3803 | <i>The Concept of Beauty</i>        |
| Philosophy 72     | <i>Ethics and Medicine</i>          |
| Philosophy 76     | <i>Social Philosophy Seminar</i>    |

One of the following courses

|                   |                            |
|-------------------|----------------------------|
| Philosophy V 3501 | <i>Theory of Knowledge</i> |
| Philosophy V 3601 | <i>Metaphysics</i>         |
| Philosophy 79     | <i>Theory of Meaning</i>   |
| Philosophy 50     | <i>Philosophy of Body</i>  |

# Philosophy

Two of the following courses

|                   |   |
|-------------------|---|
| Philosophy V 3222 | <i>Descartes, Spinoza, and Leibniz</i>                            |
| Philosophy V 3240 | <i>Locke, Berkeley, and Hume</i>                                  |
| Philosophy V 1101 | <i>The History of Philosophy: Pre-Socratics through Augustine</i> |
| Philosophy V 1201 | <i>The History of Philosophy: Aquinas through Kant</i>            |
| Philosophy 38     | <i>Recent European Philosophy</i>                                 |
| Philosophy 61     | <i>Greek Philosophy</i>   |

Two semesters of Philosophy 88-89, *Majors' Seminar*; and

One elective.

The sequence of courses is to be determined in consultation with the major adviser. Philosophy 88-89 may be taken either in the senior year or beginning in the second term of the junior year. The topic for the seminar is set each year on the basis of consultation with the students.

There is no majors' examination or senior thesis, although the latter is an option that may be allowed in special cases.

Philosophy 99, *Supplementary Readings in Philosophy*, is open to students who have a well-developed individual application and departmental approval.

Senior majors may serve on a voluntary basis as teaching assistants in Philosophy 1 sections; they hold optional discussion sections and meet with students on an individual basis.

The department also welcomes double majors and is prepared to advise on problems of schedule.

## REQUIREMENTS FOR THE MINOR

Five courses constitute a minor in philosophy. Distribution of the courses should be chosen in consultation with the adviser.

## COURSES OF INSTRUCTION

### 1x, 1y. Introduction to Philosophy.

Interpretation and analysis of major topics in ethics, metaphysics, theory of knowledge; readings from historical and contemporary sources. — Staff.

*One course credit.*

*Section I M W F 9:00.*

*Section II M W F 10:00.*

*Section III M W F 11:00.*

*Section IV Tu Th 10:35-11:50.*

*Section V Tu Th 1:10-2:25.*

### 9x. Ethics.

Introduction to the central problems of moral philosophy: action and reasons for action; pleasure and pain; obligation; rights and duties; alternative moral ideals; the use of moral language. — M. Mothersill.

*Prerequisite: One philosophy course or permission of the instructor.*

*One course credit.*

*Tu Th 10:35-11:50.*

### 29y. Philosophy of Law.

Traditional theories: legal positivism, legal realism, and natural law theory; emphasis on the relation of law to morals; the bearing of each theory on such issues as preferential treatment, legal control of sexual conduct, the power of the courts in a democratic society, civil disobedience, the legal control of war and the nature of international law. — M. Cohen.

*One course credit.*

*M 2:10-4:00, plus one hour to be arranged.*

### V 3803y. The Concept of Beauty. (formerly 34)

Introduction to aesthetics as an attempt to develop a systematic theory of criticism. Theory is tested against critical findings in fields of music, literature, dance, and the visual arts; readings from classical and contemporary sources. — M. Mothersill.

*Prerequisite: One philosophy course or permission of the instructor.*

*One course credit.*

*Tu Th 10:35-11:50.*



## 38y. Recent European Philosophy.

Contemporary developments in continental philosophical movements: phenomenology, hermeneutics, neo-Marxist critical theory, structuralism and poststructuralism. Works by Derrida, Foucault, Habermas, Gadamer and Heidegger, supplemented by readings from Anglo-American philosophers. — D. Hoy.

*Prerequisite: One philosophy course or permission of the instructor.*

*One course credit.*

*Tu Th 1:10-2:25.*

## 50x. Philosophy of Body.

General concepts of material body and the more specific concepts of animate, conscious, and human body as they appear in the works of Aristotle, Galileo, Descartes, Locke, Merleau-Ponty, Sartre, and other contemporary writers. Concepts of matter; criteria for individuation of bodies; relation of persons to their bodies. — R. Goldstein.

*Prerequisite: One philosophy course or permission of the instructor.*

*One course credit.*

*M W 1:10-2:25.*

## 51x. Duty and Feeling: The Ethics of the Family.

Philosophical examination of moral and social policy issues in connection with the contemporary family. Duties and rights of parents and children; marriage; population control; women's liberation and the family; equal opportunity and the family. Kant, Aristotle, Hume, Locke, Russell, Plato, and contemporary legal, sociological, and philosophical literature. — J. Blustein.

*Prerequisite: One philosophy course or permission of the instructor.*

*One course credit.*

*M W F 12:00.*

## 53y. Philosophy of Psychology.

Philosophical questions concerning the nature of a science of psychology and questions related to specific psychological theories such as behaviorism, psychoanalytic theory, and rationalist psychology. Possibility of an explanation of behavior; irreducibility of psychology to the physical sciences; ontological status of theoretical constructs, innate ideas, concepts of madness. Skinner, Freud, Fodor, Chomsky, Quine, and Davidson. — R. Goldstein.

*Prerequisite: One philosophy course or permission of the instructor.*

*One course credit.*

*M W 1:10-2:25.*

## 61y. Greek Philosophy.

Introductory study of Socrates, Plato and Aristotle with some attention to pre-Socratic thought. Nature of knowledge; the world; and soul; relevance of epistemology for ethics and political theory. — R. Goldstein.

*Offered in alternate years. Not offered in 1980-1981.*

*One course credit.*

## 63x. Attitude, Action, and Reason.

The role of the ideal of rationality in understanding human attitudes and actions. Topics include: intentional action, reasons and causes, speech and thought, the indeterminacy of translation, the autonomy of meaning and choice. Readings from classical and contemporary sources including Aristotle, Descartes, Spinoza, Hume, Wittgenstein, Anscombe, Davidson. — S. Larson.

*Prerequisite: One philosophy course or permission of the instructor.*

*One course credit.*

*M W 2:40-3:55.*

## V 3222x. Descartes, Spinoza and Leibniz. (formerly V 3350)

A systematic analysis of concepts central to seventeenth-century Rationalism. The focus is on problems in epistemology and metaphysics discussed in relationship to logical theory and philosophy of science. — R. Goldstein.

*Prerequisite: One philosophy course or permission of the instructor.*

*One course credit.*

*M W F 10:00.*

## V 3240y. Locke, Berkeley and Hume. (formerly V 3351)

A study of the principal topics of British Empiricism. Problems discussed include: sense perception and innate ideas, the foundations of empirical knowledge, substance and cause, personal identity, freedom of the will, the grounds of political authority, justice and obligation. — J. Blustein.

*Prerequisite: One philosophy course or permission of the instructor.*

*One course credit.*

*M W F 10:00.*

## V 1101x. The History of Philosophy: Pre-Socratics through Augustine. (formerly V 1103)

Exposition and analysis of the positions of the major philosophers from the pre-Socratics through Augustine. — J. Walsh.

*One course credit.*

*M W 2:40-3:55.*

# Philosophy

## **V 1201y. The History of Philosophy: Aquinas through Kant. (formerly V 1104)**

Exposition and analysis of the positions of the major philosophers from Aquinas through Kant. — J. Walsh.

*V 1101 is not a prerequisite for this course.*

*One course credit.*

*M W 2:40-3:55.*

## **V 3855y. Philosophical Implications of the Modern Novel. (formerly 43)**

A study of the relation of philosophy to literature through an examination of philosophical themes in literary texts and of literary strategies in philosophical texts. — R. Kuhns.

*One course credit.*

*Tu Th 2:40-3:55.*

## **V 3801x. Aesthetics.**

Systematic inquiry into major problems in the philosophy of art: Idealism (Hegel, Nietzsche, Freud); Modernity and Formalism (Kant); and Imitation Theory (Plato and Aristotle). — R. Kuhns.

*One course credit.*

*Tu Th 2:40-3:55.*

## **V 3850x. Concept of Literature.**

Analysis of linguistic art, oral and written; philosophical problems raised by tradition, style, rhetorical analyses, metaphor, and other tropes, as well as by the thought, and claims of truth. Relationships between philosophy and literature. — D. Hoy.

*Students are required to carry on individual research.*

*One course credit.*

*Tu Th 1:10-2:25.*

## **64x. Wittgenstein and his Influence.**

Introduction to the work of Ludwig Wittgenstein with attention to his influence upon philosophers and non-philosophers. Basic readings from Wittgenstein's major works with additional readings from artists, writers, critics, and social scientists who claim him as a source of inspiration. Relationship between philosophical work and its contemporary cultural setting. — S. Larson.

*Open to students without previous training in philosophy. Prerequisite: One philosophy course or permission of the instructor.*

*Not offered in 1980-1981.*

*One course credit.*

## **72x. Ethics and Medicine.**

Philosophical examination of moral issues arising in medical theory and practice. Right to receive health care treatment, euthanasia, abortion, experimentation on human subjects, behavior con-

trol, allocation of scarce medical resources, and eugenics. Readings from philosophical, medical, and legal literature. — J. Blustein.

*Permission of the instructor required.*

*One course credit.*

*M W F 10:00.*

## **76y. Social Philosophy.**

Interplay between political and personal life, public and private spheres: the nature and value of privacy, invasions of privacy, friendship, and sexual freedom. Readings from philosophical and legal literature. — J. Blustein.

*Prerequisite: One philosophy course or permission of the instructor.*

*One course credit.*

*M W F 12:00.*

## **V3501x. Theory of Knowledge. (formerly W 3188 and 77)**

Contemporary issues in the theory of knowledge, and their historical sources. — I. Levi.

*One course credit.*

*Tu Th 2:40-3:55.*

## **79y. Theory of Meaning.**

Consideration of the nature of language and of truth, with attention to the role of the concept of truth in constructing theories of meaning for natural languages: Frege, Tarski, Austin, Davidson, and others. — S. Larson.

*Prerequisite: One philosophy course or permission of the instructor.*

*One course credit.*

*M W 2:40-3:55.*

## **V 3601x. Metaphysics. (formerly V 3123)**

Systematic treatment of some major metaphysical topics, e.g. necessity, causality, particulars and universals, personal identity; readings from classical and contemporary authors. — S. Larson.

*Prerequisite: One philosophy course or permission of the instructor.*

*One course credit.*

*Tu Th 6:10-7:25.*

## **84y. Philosophy of Education.**

Philosophical presuppositions of intellectual and moral education; innate ideas; natural moral characteristics; permissiveness; "free" schooling, "de-schooling;" material and moral incentives. Selections from Plato, Rousseau, Piaget, Dewey, Chomsky, Illich, Neil, and current periodical literature. — J. Blustein.

*Not open to freshmen.*

*One course credit.*

*Tu Th 1:10-2:25.*



**88x-89y. Majors' Seminar.**

Intensive study of selected philosophical classics; discussions, oral reports and term papers. — Staff.

*Enrollment limited to majors. Required of all majors.*

*One course credit.*

*W 4:10-6:00. Conference hours to be arranged.*

**99x, 99y. Supplementary Readings in Philosophy.**

*To be taken only with the consent of the instructor and permission of the department.*

*One course credit.*

*Hours to be arranged.*

**COLUMBIA COLLEGE AND SCHOOL OF GENERAL STUDIES COURSES**

Please consult the appropriate bulletin for complete descriptions of the following courses in Philosophy:

**C 1010x, C 1010y. Methods and Problems of Philosophic Thought.**

D. Sidorsky. A. Danto.

*One course credit.*

*Tu Th 10:35-11:50.*

**W 3131x. Aristotle.**

R. Patterson.

*One course credit.*

*Tu Th 10:35-11:50.*

**W 3270x. Nineteenth-Century Philosophy.**

M. Clark.

*One course credit.*

*Tu Th 1:10-2:25.*

**W 3301y. Twentieth-Century Philosophy.**

D. Sidorsky.

*One course credit.*

*M W 11:00-12:15.*

**W 3350x. Existentialism.**

R. Cumming.

*Prerequisite: Permission of the department.*

*Enrollment limited to 35 students.*

*One course credit.*

*M W 4:10-5:25.*

**C3405y. Introduction to Logic and Philosophy of Science.**

I. Levi.

*One course credit.*

*Tu Th 2:40-3:55.*

**C 3415x, C 3415y. Formal Logic.**

x: C. Parsons. y: W. Sieg.

*One course credit.*

*x: M W F 10:00.*

*y: Tu Th 9:10-10:25.*

**W 3574x. The Scientific Revolution.**

C. Larmore.

*One course credit.*

*M W 11:00-12:15.*

**W 3701x. Moral Philosophy.**

Instructor to be announced.

*One course credit.*

*M W F 9:00.*

**W 3786x. Free Will and Responsibility.**

B. Berofsky.

*One course credit.*

*M W 2:40-3:55.*

**F 1401x. Elementary Logic.**

L. Cauman.

*One course credit.*

*M W 6:10-7:25.*

**F 3410y. Formal Logic.**

L. Cauman.

*One course credit.*

*M W 6:10-7:25.*

**Economics-Philosophy C 3910y. Seminar in Marxism.**

S. Morgenbesser, A. Erlich.

*One course credit.*

*Hours to be arranged.*





# Physical Education

*Office: 209 Barnard Hall  
Intercollegiate Athletics: 280-2233*

*Telephone: 280-2085*

## **Professor**

Marion R. Philips (Chairman)

## **Associates**

Semyon Brover, Lynda Calkins-McKenna, Mary Curtis, Jean Follansbee, Ann Graziadei, Marjorie Greenberg (Director of Athletics), Nancy Kalafus, Kathleen Moore, Marian Rosenwasser.

## **Instructor**

Connie Dubble, David Henry

## **Curriculum**

The curriculum is organized and administered by the faculty of the Department of Physical Education. Instruction is offered in the areas of sports, aquatics, movement, fitness, and folk dance. Modern dance, ballet, tap, and jazz dance courses are offered under the auspices of the Dance Program and may be taken to fulfill the Physical Education requirement. Courses are designed to promote the development and enjoyment of lifetime motor skills which will afford opportunities to realize one's potential, and to provide vigorous exercise to release tensions often generated by strong academic commitments and intense urban life.

The Intercollegiate Athletic program provides the opportunity for highly skilled students to participate in college sponsored competition while earning Physical Education credit.

## **Extra-Curricular Program**

The Recreational Athletic Association (RAA) conducts intramurals, sponsors sports clubs such as bowling, gymnastics, and soccer, and plans recreation programs.

The Council on Intercollegiate Athletics (CIA) currently sponsors 8 varsity teams: Archery, Basketball, Cross Country, Fencing, Swimming and Diving, Tennis, Track and Field, and Volleyball. Teams enjoy competitive schedules within the metropolitan area and the Ivy League Conference. Teams and individuals may qualify for participation in New York State, Eastern, and National Championships sponsored by the Association of Intercollegiate Athletics for Women. Contact Marjorie Greenberg, Director of Athletics, for further information.

## **Health Status**

Students with permanent or temporary disabilities will be individually advised and placed in a suitable activity where possible, based upon the recommendations of the College Physician.

## **Posture Analysis**

Freshman students may elect to have a complete posture analysis with follow-up examinations. Posture Laboratory is offered as a course each semester for students who wish to improve body alignment.

## **Requirement**

Students admitted as Freshmen must complete two semesters in the freshman year, and two semesters beyond the freshman year. Transfer students are required to have two semesters credit beyond the freshman year. Transfers who enter as second semester freshmen must also complete one course in the freshman year.

# Physical Education

## Registration

A complete schedule of courses is prepared each semester for preregistration, and schedules are available in the Physical Education Department Office, 209 Barnard Hall. Preregistration should be confirmed before filing programs with the registrar. Students must include physical education courses by **number, title, section, and sequence number** on final programs filed with the registrar. Students who do not preregister may register during the first two days of the semester in the gymnasium.

An agreement between the Department of Physical Education of Barnard College and Columbia College permits limited enrollment of Barnard students in some Columbia courses. Columbia College and Engineering School students may register for some Barnard courses through the Columbia Physical Education Department. **Other Columbia University students must receive permission of the Physical Education Department to register** before completing registration procedures.

## Courses

Classes are organized in homogeneous skill groups for optimal learning. Students are advised to register according to their own skill level. Beginner = (A), low intermediate = (B), intermediate = (C), advanced = (D).

## COURSES OF INSTRUCTION

### AQUATICS COURSES

#### **20x, 20y. Beginning Swimming. (A)**

Development of confidence and survival techniques in the water. Introduction of front crawl and elementary backstroke.

*Section I* M W 12:10.

*Section II* M W 2:10.

*Section III* Tu Th 2:10.

#### **21x, 21y. Low Intermediate Swimming. (B)**

Review of survival techniques, front crawl and elementary backstroke. Introduction of diving and breaststroke.

*Section I* M W 1:10.

*Section II* T Th 12:10.

#### **22x, 22y. Intermediate Swimming. (C)**

Further development of the front crawl, elementary backstroke, and breaststroke. Introduction of advanced survival techniques, sidestroke, back-crawl and turns.

*Section I* M W 11:00.

*Section II* Tu Th 11:00.

*Section III* Tu Th 1:10.

#### **23x. Advanced Swimming. (D)**

Development of endurance and perfection of stroke technique of front and back crawl, elementary backstroke, sidestroke, breaststroke, trudgers, inverted breaststroke, butterfly, and over-arm sidestroke. Synchronized Swimming, Competitive Swimming, Water Polo, and Snorkeling.

*Tu Th 3:10-4:30.*

#### **24x, 24y. Swim Fitness. (CD)**

Combination of various swimming strokes and water exercises used to develop cardiovascular endurance and muscle tone.

*Section I* M W 10:00.

*Section II* Tu Th 10:00.

#### **25x, 25y. Lap Swim. (D)**

Students determine an individual training program with the instructor on a contract basis.

*Not open to first semester freshmen. Permission of Aquatics Coordinator required.*

*M W 9:00.*

#### **28x, 28y. Advanced Lifesaving. (D)**

Personal safety, swimming rescues, preventive lifeguarding; leads to Red Cross certification.

*Swimming test for class admission given first class meeting.*

*x: M W 3:10-4:30.*

*y: Tu Th 3:10-4:30.*

#### **29y. Water Safety Instructor Course. (D)**

Review of skills for beginner through lifesaving courses, instruction in teaching techniques; leads to Red Cross certification; **Current** Advanced Lifesaving certification required.

*Swimming test for class admission given first class meeting.*

*M W 3:10-4:30.*

### FOLK DANCE COURSES

#### **40x, 40y. Beginning Folk Dance. (A)**

Basic step combinations, formations, dances and background of the dances of Europe, the Near East, and the U.S.A.

*Section I* M W 11:00.

*Section II* M W 12:10.



# Physical Education

## **41y. Low Intermediate Folk Dance. (B)**

Intense practice in steps, formations and rhythms of European line, couple and set dances.  
*M W 10:00.*

## **42y. Greek and Related Balkan Dance. (B)**

Panhellenic and regional dances of Greece and related circle and line dances from neighboring Balkan countries.  
*Not given in 1980-1981.*

## **43x, 43y. American-British Dance. (A)**

Survey of contra and set dances common to the U.S.A., England, Ireland, Scotland and Wales.  
*M W 9:00.*

## **44x, 44y. Low Intermediate Israeli Dance. (B)**

Selected dances representing diverse national origins of the Israeli people.  
*M W 1:10.*

## **45x. Intermediate Folk Dance. (C)**

Analysis, notation, and choreography of dances of Rumania and Israel.  
*M W 10:00.*

## **SPORTS COURSES**

### **50x, 50y. Beginning Archery. (A)**

Basic techniques in target shooting for the beginner or novice; selection and care of equipment; knowledge of competition, including intercollegiate, open, and Olympic.

*Section I Tu Th 1:10.*

*Section II Tu Th 12:10 (Autumn Term Only)*

### **51y. Intermediate and Advanced Archery. (CD)**

Advanced techniques for the archer who has had the equivalent of a semester of instruction; opportunity to compete informally in class and to prepare for membership on the Archery Team.  
*Tu Th 12:10.*

### **53x, 53y. Badminton. (ABCD)**

Strokes, strategies and selection of equipment. Intra-class tournaments provide competition for all levels.

*M W 1:10.*

### **55x, 55y. Basketball. (ABC)**

Basic skills of conditioning, ball handling, and shooting; offensive and defensive patterns of play. Drills as well as game play.

*M W 4:10.*

### **57x, 57y. Beginning and Low Intermediate Bowling. (AB)**

Basic approach, delivery; spot bowling and spare conversion; scoring.

*Section I M W 10:00. Section IV Tu Th 10:00.*

*Section II M W 11:00. Section V Tu Th 11:00.*

*Section III M W 2:10. Section VI Tu Th 12:10.*

### **58x, 58y. Open Hour Bowling. (CD)**

Must average 100, show knowledge of technique and spot bowling to qualify.

*Not open to first semester freshmen.*

*Section I M W 12:10. Section III Tu Th 9:00.*

*Section II M W 1:10. Section IV Tu Th 1:10.*

### **60x, 60y. Beginning Fencing. (A)**

Basic approach, simple foil actions and footwork.

*Section I M W 3:10.*

*Section II Tu Th 11:00.*

*Section III Tu Th 1:10.*

### **61x, 61y. Low Intermediate and Intermediate Fencing. (BC)**

Tactics and technical elements of fencing.

*M W 4:10.*

### **64x, 64y. Beginning Tennis. (A).**

Basic forehand, backhand and introduction to the serve; scoring.

*Section I M W 11:00. Section III Tu Th 10:00.*

*Section II M W 3:10. Section IV Tu Th 2:10.*

### **65x, 65y. Low Intermediate Tennis. (B)**

Refinement of forehand, backhand and serve; scoring; simulated games.

*Section I M W 10:00.*

*Section II M W 2:10.*

*Section III Tu Th 3:10.*

### **66x, 66y. Intermediate Tennis. (C)**

Further development of strokes, service return; net play; doubles play.

*Section I M W 9:00.*

*Section II Tu Th 11:00.*

### **67x, 67y. Intermediate and Advanced Tennis. (CD)**

Advanced net play, overheads; strategy; singles and doubles.

*Permission of the instructor required.*

*Tu Th 9:00.*

### **70x, 70y. Beginning, Low Intermediate and Intermediate Volleyball. (ABC)**

Introduction of forearm pass, overhead fingertip pass, serve and spike, and basic offensive and defensive strategies.

*Section I (AB) M W 12:10.*

*Section II (C) M W 12:10.*

### **71x, 71y. Intermediate and Advanced Volleyball. (CD)**

Power volleyball skills and various offensive and defensive strategies.

*Tu Th 4:10.*

# Physical Education

## SPECIAL COURSES

**80x, 80y. Beginning Movement Workshop. (A)**  
Creative exploration, analysis and observation of movement.

*Section I M W 12:10.*

*Section II Tu Th 9:00.*

**83x, 83y. Beginning Fitness. (A)**

Introduction to a variety of conditioning programs, improvement of flexibility, strength, and endurance.

*Section I M W 10:00.*

*Section II M W 11:00.*

*Section III Tu Th 2:10.*

**84x, 84y. Intermediate Fitness. (C)**

Intensified fitness program for students who have taken Course 83 or who have been engaged in a vigorous conditioning program.

*M W 1:10.*

**85x, 85y. Weight Training.**

Introduction to principles of weight training; use of the Universal Weight Machine. Programs tailored to individual needs.

*Section I M W 9:00.*

*Section II M W 2:10.*

*Section III Tu Th 4:00.*

**86x, 86y. Posture Laboratory.**

Exercises to strengthen and stretch the skeletal muscles; practice in the release of muscle tension and in the correct alignment of the body.

*Tu Th 12:10.*

**88x, 88y. Relaxation.**

Techniques of releasing tension in the skeletal muscles of the body.

*Section I M W 3:10.*

*Section II Tu Th 3:10.*

**90x, 90y. Beginning Self Defense. (A)**

Development of poise and confidence, using basic defensive and offensive moves, so that a person can handle a threatening situation effectively and with minimal confrontation.

*Section I Tu Th 3:10.*

*Section II Tu Th 4:10. (Autumn Term Only.)*

**91y. Intermediate Self Defense. (C)**

Classical karate forms; techniques which rely on the effective use of the unarmed body; legal aspects of defense, general history of the martial arts, and conditioning exercises.

*Tu Th 4:10.*

**93x, 93y. Beginning Yoga. (A)**

Basic Hatha yoga positions; body awareness; relaxation.

*Section I M W 4:10.*

*Section II Tu Th 2:10.*

**94x, 94y. Intermediate Yoga. (C)**

Advanced Hatha yoga postures; inverted positions; breathing and concentration techniques.

*Tu Th 10:35-11:50.*

**98x, 98y. Varsity Teams.**

Credit toward the Physical Education requirement may be earned through participation on a varsity team. Each semester's participation is equivalent to one course. Coaches register team members after the teams have been selected.

**99x, 99y. Independent Study.**

Enrollment in a course of instruction.

*Not open to first semester freshmen or transfer students. Approval of Department required.*

*Limited to one semester of credit.*

## DANCE

See Dance Program (page 109) for course listings. Dance Courses 30-47 may be taken to fulfill the Physical Education requirement. Courses offered are:

Ballet—Beginning, Low Intermediate, Intermediate.

Jazz—Low Intermediate, Intermediate.

Modern—Beginning, Low Intermediate, Intermediate, Advanced.

Tap—Beginning, Intermediate.



# Physics

Office: 502 Altschul Hall

Telephone: 280-3268

## Professors

Richard M. Friedberg (Chairman), Samuel Devons (Director of History of Physics Laboratory)

## Assistant Professor

Martin Purvis

Other officers of the University offering courses listed below:

## Professors

Charles Baltay, Norman Christ, Gerald Feinberg, Henry M. Foley, Paolo Franzini, Sver R. Hartmann, Wonyong Lee, Robert Novick, James Rainwater, Malvin Ruderman, Alla M. Sachs

## Assistant Professors

Joel Groves, Erick Weinberg

The study of physics ranges from disciplined preparation for professional work in physics itself, or a basic education in physics necessary for the study of, or work in, other sciences and medicine, to a more general familiarity with physics and its historical development as part of contemporary culture.

In cooperation with the faculty of the University, Barnard offers a thorough pre-professional curriculum. The faculty represents a wide range of expertise, with special strength and distinction in elementary-particle and theoretical physics.

The unique facilities of Barnard's History of Physics Laboratory, oriented to the broader perspective, are available to students at all levels — from introductory classes to individual studies and researches. There are occasional opportunities for students to participate in activities related to the laboratory, such as scientific film production.

The department offers four distinct introductory sequences, only one of which may ordinarily be taken for credit.

1. C 1001-C 1002, *Elementary Physics*; V 1305-V 1306, *Discovery and Experiment in Physics*, and W 3001-W 3002, *Art of Scientific Experiment*, are intended for liberal arts students whose aim is to achieve some qualitative understanding of science.
2. Either V 1003, V 1004, *General Physics*, or V 1103, V 1104, *General Physics*, is satisfactory preparation for medical school. Both cover the same material, but V 1103, V 1104 is somewhat more intensive and is designed for students majoring in sciences other than physics. Neither course is recommended as a foundation for more advanced work in physics.
3. An entering student with a serious interest in physics should enroll in the Autumn Term in C 1006, *General Physics I. Mechanics*, which begins a four-term sequence (C 1007 or C 1107, C 1011, C 1012, *General Physics II-IV*), leading to more advanced courses. (These courses may be taken without laboratory by nonmajors. See the Columbia College bulletin for the appropriate course numbers.)
4. Freshmen with exceptional aptitude for physics and a good mathematical background may be admitted into the two-semester sequence, C 1021, C 1022, *General Physics*, which replaces the first three terms of the sequence starting with C 1006. Admission is by special interview with the instructor. A student interested in this course should, if possible, attend the "Physics Placement Meeting" announced in the Columbia College Freshman Week Program.

A major in physics may prepare the way to a great variety of careers in, or related to, science. Students interested in such possibilities are encouraged to consult the department chairman.

# Physics

## REQUIREMENTS FOR THE MAJOR

A total of 15 courses are required for a major in physics.

C 1006, C 1107, C 1011 and C 1012, or C 1021, C 1022 and C 1012 with laboratory in either case;

|                |  |
|----------------|--|
| W 3003         | <i>Mechanics</i>   |
| W 3007, W 3008 | <i>Theory of Electricity and Magnetism</i>               |
| G 4003         | <i>Lagrangian Mechanics</i>                              |
| G 4015, G 4016 | <i>Atomic Physics and Introductory Quantum Mechanics</i> |

and at least one more semester at the G 4000-level;

|        |   |
|--------|---|
| W 3072 | <i>Seminar in Current Research Problems</i> |
| W 3083 | <i>Electronics Laboratory</i>               |

and one course of intermediate laboratory work (W 3081, *Intermediate Laboratory Work*; Course 11, 12, *History of Physics Laboratory*), of which a minimum of six sessions (24 hours) of laboratory work in W 3081 is required.

Four terms of calculus are essential, and some additional work in mathematics is recommended. This program should also include a year of chemistry, although in some instances astronomy or biology may be substituted.

The major examination consists of the Graduate Record Examination in physics and a one-hour oral examination.

## REQUIREMENTS FOR THE MINOR

Five courses are required for the minor, including C 1006, C 1007 or C 1107, C 1011, C 1012, and one course at the 3000- or 4000-level.

## COURSES OF INSTRUCTION

### V 1305x, V 1306y. Discovery and Experiment in Physics.

Topics in the history of physics with experimental work in the History of Physics Laboratory; primary sources of historic experiments in physics from the 17th to the 20th century. — M. Purvis. *This course is oriented primarily to non-science students.*

*Enrollment limited to 50 students. Permission of the instructor required.*

*One and one-quarter course credits.*

*Lecture Tu Th 1:10-2:25.*

*Laboratory 3 consecutive hours chosen from M or W 2:00-5:00, Tu or Th 2:30-5:30.*

### C 1001x, C 1002y. Elementary Physics.

Introduction to physics for students with no previous background. In the first semester the course deals with the physics of energy and in the second semester with relativity and subatomic physics. — A.M. Sachs.

*This course uses very little mathematics. It does not fulfill the physics requirement for admission to medical school. It is primarily addressed to non-science students.*

*One course credit.*

*Lecture Tu Th 11:00-12:15.*

*Discussion: one hour to be arranged.*

### V 1003x, V 1004y. General Physics.

Mechanics and heat, electricity, magnetism, optics, and modern physics. — Staff.

*Calculus is not a prerequisite for this course.*

*One and one-quarter course credits.*

*Lecture and Recitation M W F 11:00.*

*Laboratory 3 consecutive hours to be chosen from M Tu W Th F 1:10-4:00 or 4:10-7:00.*

*Recitation and laboratory sections are arranged after the first class meeting.*

### V 1103x, V 1104y. General Physics.

Same topics as V 1003-V 1004 discussed at a somewhat higher level, using calculus. — Staff.

*Prerequisite: Calculus I and II.*

*One and one-quarter course credits.*

*Lecture M W F 11:00.*

*Laboratory 3 consecutive hours to be chosen from M Tu W Th F 1:10-4:00 or 4:10-7:00.*

*Recitation and laboratory sections are arranged after the first class meeting.*

### C 1006x. General Physics I. Mechanics.

Fundamental laws of mechanics; kinematics; dynamics; work and energy; rotational dynamics and angular momentum; introduction to special relativity and relativistic kinematics. — Staff.



*Corequisite: Calculus I or the equivalent.*

*One course credit.*

*Lecture and Recitation*

*Sections I and II M W F 9:00.*

*Section III Tu Th 11:00-12:15.*

*Laboratory 3 hours every other week. Times to be arranged.*

## **C 1007y. General Physics II. Electricity and Magnetism.**

Electrostatics; direct currents; electromagnetism; alternating currents; wave motion. — Staff.

*Prerequisite: Course C 1006. Corequisite: Calculus II or the equivalent.*

*One course credit.*

*Lecture and Recitation M W F 9:00.*

*Laboratory 3 hours every other week. Times to be arranged.*

## **C 1107y. General Physics II. Electricity and Magnetism.**

Topics of Course C 1007 are considered in greater depth; less time on routine applications and extended treatment of some of the more advanced topics. — Staff.

*Prerequisite: Course C 1006.*

*One course credit.*

*Lecture and Recitation M W F 9:00.*

*Laboratory 3 hours every other week. Times to be arranged.*

## **C 1011x. General Physics III. Optics and Thermodynamics.**

Acoustical waves; nature of light; polarization; geometrical optics; interference and diffraction of light; heat; states of matter; gas laws; the laws of thermodynamics; kinetic theory of gases. — Staff.

*Prerequisite: Course C 1006. Corequisite: Calculus III.*

*One course credit.*

*Lecture Tu Th 9:00.*

*Recitation 1 hour to be arranged after the first class meeting.*

*Laboratory 3 hours every other week. Times to be arranged.*

## **C 1012y. General Physics IV. Modern Physics.**

Quantum effects; atomic structure and spectra; nuclear structure and reactions; fission and fusion; elementary particles. — Staff.

*Prerequisites: Courses C 1011 and C 1007 or C 1107.*

*One course credit.*

*Lecture Tu Th 9:00.*

*Recitation 1 hour to be arranged after the first class meeting.*

*Laboratory 3 hours every other week. Times to be arranged.*

## **C 1021x, C 1022y. General Physics.**

Mechanics, heat, electricity, magnetism, and light. — Staff.

*Prerequisite: Advanced placement in mathematics or some knowledge of differential and integral calculus, and permission of the departmental representative. (A special placement meeting is held during Freshman Orientation.)*

*One and one-quarter course credits.*

*Lecture M W 4:10-5:25.*

*Laboratory 3 hours to be arranged at the first class meeting.*

## **11x, 12y. Advanced History of Physics Laboratory.**

Experimental investigations in the logical and historical development of physics studied by both laboratory and literary work. Students work individually or in collaboration with other students choose one or two examples (ranging from physics in the 17th to the 20th century), and study these thoroughly. — S. Devons.

*Prerequisite: Good basic knowledge of physics, aptitude for laboratory work and individual initiative.*

*Permission of the instructor required.*

*11x not offered in 1980-1981.*

*Laboratory work is required.*

*One course credit.*

*12y: Hours to be arranged.*

## **W 3003x. Mechanics.**

Newtonian mechanics; conservative forces and potentials; oscillations, central forces. — Staff.

*Prerequisite: General physics and integral calculus.*

*One course credit.*

*M W F 10:00.*

## **W 3007x, W 3008y. Theory of Electricity and Magnetism.**

Electrostatics, current flow, electromagnetism. Formulation of Maxwell's equations; some applications associated with lumped-impedance circuits, transmission lines and plane electromagnetic waves. — Staff.

*Prerequisites: Course C 1007 or C 1107 or the equivalent, and differential and integral calculus.*

*One course credit.*

*M W 11:00-12:15.*

## **W 3072y. Seminar in Current Research Problems.**

Detailed study of a selected field of active research in physics; motivation, techniques, and results obtained to the present, as well as the difficulties and unsolved problems. — Staff.

*Permission of the department representative required. Open only to senior physics majors.*

*One-half course credit.*

*Th 4:10-5:25.*

# Physics

## **W 3081x, W 3081y. Intermediate Laboratory Work.**

Experiments in physical optics, electronic circuits, atomic physics, and nuclear physics. An individual program of experiments is arranged for each student in accordance with her interests and previous experience. Immediately after registration and not later than the end of the second day after the beginning of classes, registrants should consult the staff member about assignment to a laboratory section and the schedule of experiments. — J. Rainwater.

*Prerequisite:* Course W 3003 or W 3007, or permission of the instructor.

*One-half course credit.*

*One four-hour period weekly. Hours to be arranged by the instructor.*

## **W 3083x, W 3083y. Electronics Laboratory.**

Experiments in solid state electronics, with introductory lectures. — Staff.

*Permission of the instructor required. Corequisite:* Course W 3003 or W 3007.

*Registration is limited to the capacity of the laboratory.*

*One-half course credit.*

*M W 1:00-4:00.*

## **GRADUATE COURSES**

The following G 4000 courses form an integral part of the undergraduate major program in Physics.

## **G 4003y. Lagrangian Mechanics.**

Generalized coordinates; Lagrange's and Hamilton's equations with applications including rigid bodies; normal coordinate treatment of coupled systems. — Staff.

*Prerequisites:* Integral calculus and differential equations and W 3003, or equivalent.

*One course credit.*

*M W F 10:00. Problem session (optional) hours to be arranged.*

## **G 4009x. Light.**

Physical and geometrical optics. — Staff.

*Prerequisite:* General physics and integral calculus.

*One course credit.*

*M W F 10:00.*

## **G 4013x. Thermodynamics.**

General principles of thermodynamics; the three fundamental laws; definition of entropy and the thermodynamic potentials; simple application of thermodynamics; microscopic interpretation of thermodynamics. — Staff.

*Prerequisite:* Courses W 3003 and W 3007. *Corequisite:* Course G 4015.

*One course credit.*

*Tu Th 2:40-3:55.*

## **G 4015x, G 4016y. Atomic Physics and Introductory Quantum Mechanics.**

Experimental basis of modern atomic physics; interpretation of atomic structures and radiation phenomena in terms of quantum theory. Elementary wave mechanics applied to simple atomic structures and to potential well and barrier problems. Atoms in applied fields and the interactions in many electron atoms treated by perturbation theory; theory of spin and angular momentum. — Staff.

*Prerequisites:* Courses C 1006, C 1007, C 1011 and C 1012, or their equivalents, and two additional terms of course work in intermediate or advanced physics.

*One course credit.*

*M W F 9:00. Problem session (optional) hours to be arranged.*

## **G 4040y. Nuclear Physics.**

Properties of nuclei, the two-body problem at low energies and nuclear forces, alpha radioactivity, beta decay, emission of electromagnetic radiation and selection rules, nuclear shell structure, phenomena associated with the passage of nuclear radiations through matter and methods of detection, high-energy accelerators, nuclear reactions, artificial radioactivity, neutrons, and nuclear fission. — C.S. Wu.

*Prerequisite:* Course G 4015 or the equivalent.

*One course credit.*

*Tu Th 11:00-12:15.*

## **W 3001x, W 3002y. The Art of Scientific Experiment.**

Evolution of scientific experiment — its purpose, method, style and role in science, from antiquity to the early 20th century. Focus on the *creation* of scientific knowledge, viewed in contemporaneous light of both personal and social-cultural influences; assimilation of discovery into the body of science. Examples mainly from physical science. Illustrated by experimental demonstrations. — S. Devons.

*Permission of the instructor required.*

*One course credit.*

*W 4:00-6:00, plus one hour class discussion to be arranged.*

*Laboratory hours to be arranged.*

## **ASTRONOMY COURSES**

For descriptions see the Columbia College Bulletin.

## **C 1103x. Contents of the Universe.**

M. Morris.

*One course credit.*

*Lecture Tu Th 1:10-2:25.*

*Laboratory hours to be arranged.*



**C 1104y. Topics in Cosmology.**

L. Lucy.

*One course credit.*

*Lecture Tu Th 1:10-2:25.*

*Laboratory hours to be arranged.*

**C 1203x. Introduction to Astrophysics.**

I. Epstein.

*One course credit.*

*M W 11:00-12:15.*

**C 3102y. Planetary Dynamics and Physics of the Solar System.**

N. Baker.

*One course credit.*

*M W 11:00-12:15.*

**C 3997x, C 3998y. Seminar and Research Course.**

Staff.

*One course credit.*

*Hours to be arranged.*

**W 3301y. Black Holes.**

E. Spiegel.

*Offered in alternate years. Offered in 1981-1982.*

*One course credit.*

**W 3302y. General Relativity, Cosmology, and Black Holes.**

E. Spiegel.

*Offered in alternate years. Offered in 1980-1981.*

*One course credit.*

*M W 2:40-3:55.*

**G 4201x. Basic Astronomical Data.**

E. Scharlemann.

*One course credit.*

*Tu Th 1:10-2:25.*

**Astronomy-Geology V 1044x. Stars, Planets, and Life, I.**

R. Jastrow.

*One and one-quarter course credits.*

*Lecture Tu Th 6:10-7:25.*

*Laboratory Tu or Th 3:00-5:50 or 7:25-10:15 p.m.*

**Astronomy-Geology V 1444x. Stars, Planets and Life, I.**

Same as Course V 1044, but without laboratory.

R. Jastrow.

*One course credit.*

*Lecture Tu Th 6:10-7:25.*

**Astronomy-Geology V 1045y. Stars, Planets, and Life, II.**

R. Jastrow.

*Prerequisite: Quality work in Course 1044.*

*Enrollment limited to 20 students.*

*One and one-quarter course credits.*

*Lecture Tu Th 6:00-7:25.*

*Laboratory Tu or Th 3:00-5:50 or 7:25-10:15 p.m.*

**Astronomy-Geology V 1445y. Stars, Planets, and Life, II.**

Same as V 1045, but without laboratory.

R. Jastrow.

*One course credit.*

*Tu Th 6:00-7:25.*

# Political Science

Office: 408 Lehman Hall

Telephone: 280-2159

## Professors

Demetrios Caraley (Chairman), Dennis Dalton, Peter Juviler

## Associate Professor

Richard M. Pious<sup>1</sup>

## Assistant Professors

Flora S. Davidson, Ester Fuchs, Debra Miller

## Instructor

Kathryn B. Yatrakis

Other officers of the University offering courses listed below:

## Professors

Douglas A. Chalmers, Gerald L. Curtis, Julian H. Franklin, Charles V. Hamilton, Roger Hilsman, Giovanni Sartori, Warner R. Schilling, Alan F. Westin

## Associate Professors

Thomas P. Bernstein, John Ruggie

## Assistant Professors

Gerald B. Finch, Thomas A. Horne, James H. Mittleman, Glenda Rosenthal, Eileen P. Sullivan

## Lecturer

Seweryn Bialer

<sup>1</sup>Absent on leave, Spring Term

The purpose of the study of political science is to develop understanding of the basic political institutions and processes in human society. This understanding involves analysis and evaluation of political systems and public policies in the context of the challenges they face and the changes they undergo. The major is designed to equip the student to play an effective role as citizen in a democratic political order, to participate more actively in political life as public or party official, civil servant, lawyer, or political commentator, or to undertake graduate training in political science in preparation for a career in college teaching. Students interested in public service careers should inquire about the five-year joint degree programs with the Columbia Graduate Program in Public Affairs and Administration and with the School of International Affairs.

## REQUIREMENTS FOR THE MAJOR

A student majoring in political science is required to take a minimum of nine semester courses from the Department's listed offerings, including

Political Science 1

*Dynamics of American Politics*

One of the following courses

Political Science 2

*Comparative Politics*

Political Science W 3611

*International Politics*

Political Science 13, 14

*Political Theory*

Two colloquia or other courses having a research paper from among those courses designated by an asterisk (\*); and

Two semesters of research seminar for the thesis (see below).



The department's requirements are flexibly drawn to permit a major, in consultation with her adviser, to plan an overall program that, while providing some background in various areas of government and politics, can place special emphasis on such particular interests as the American political system (including its urban subsystem), foreign political systems, international relations, or political theory.

In order to have the opportunity for independent specialized work in depth, and to explore more fully the techniques of scholarly investigation, **both majors and concentrators are required to write a senior essay** as part of the work for the required two semester research seminar (either Political Science 61-62, *Research Seminar*, or V 3711-V 3712, *Research Seminar in American Politics*.)

A student majoring in Urban Studies with a concentration in political science is required to take a minimum of six semester courses, including

Political Science 1  
Political Science V 3313      *American Urban Politics*

Two from the following courses:

|                          |   |
|--------------------------|---|
| Political Science 22     | <i>The American Congress</i>                                      |
| Political Science 26     | <i>Problems in Civil Rights and Liberties</i>                     |
| Political Science 27     | <i>Colloquium on the Content of American Politics</i>             |
| Political Science 28     | <i>Colloquium on Congressional Politics</i>                       |
| Political Science 35     | <i>Colloquium-Workshop in Urban Administration and Management</i> |
| Political Science V 3306 | <i>Political Economy of Cities</i>                                |
| Political Science G 8202 | <i>Colloquium on Congress and Policymaking</i>                    |

Two semesters of research seminar for the thesis.

## REQUIREMENTS FOR THE MINOR

A student minoring in political science is required to take a minimum of five semester courses, including Political Science 1.

## COURSES OF INSTRUCTION

### GENERAL COURSES

Courses listed under this heading may be taken without previous study of political science.

#### **1x, 1y. Dynamics of American Politics.**

Examination of the dynamics of the American political system at the national level including political participation, elections, political parties and national political institutions: the Presidency, the Congress and the Judiciary. — Staff.

*Sign-up sheets for sections are posted outside 408 Lehman.*

*One course credit.*

x: *Section I MW 11:00-12:15. R. Pious.*

*Section II MW 2:10-3:25. K. Yatrakis.*

*Section III Tu Th 1:10-2:25. F. Davidson.*

y: *MW 11:00-12:15. E. Fuchs.*

#### **2y. Comparative Politics.**

Introduction to and critique of theories and concepts of comparative politics, such as power, authority, political development and political culture; theories and concepts applied comparatively to the study of authority, institutions, conflict and change in the Soviet Union, Tanzania, Britain and Northern Ireland. — P. Juviler.

*One course credit.*

*Tu Th 10:35-11:50.*

#### **3x. Electoral Politics.**

Electoral process within the context of political participation and implications of participation for democratic theory. Political party politics, non-party electoral activity, the media, and other factors which influence voting behavior. Students are encouraged to participate in electoral campaign activity. — K. Yatrakis.

*Not offered in 1980-1981.*

*One course credit.*

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## **W 3311x. American Parties and Elections.**

Party system and electoral process as sources of stability and change in the American political system. Impact of electoral change on regime institutions and policies; relation between radical movements and political parties; electoral legitimation of social, economic, and political inequality; limits of the electoral process as an instrument of political change. Historical as well as contemporary events. — E. Fuchs.

*One course credit.*

*Tu Th 9:10-10:25.*

## **4y. Freshman Seminar in Government.**

Intensive study of a topic to be selected by the instructor. Students learn methods and sources of political science and gain experience in discussion and writing. — Instructor to be announced.

*Topic for Spring 1980: to be announced in November.*

*One course credit.*

*Hours to be arranged in November.*

## **7x. Modern Political Movements.**

Dynamics of movement politics in the twentieth century. Factual and moral analysis; case studies of Bolshevism, Indian nationalism, Nazism, the New Left, and the women's movement. — D. Dalton and P. Juviler.

*One course credit.*

*Tu Th 10:35-11:50.*

*Voluntary, ungraded discussion sections: Tu or Th 12:10-1:00.*

## **V 3313y. American Urban Politics.**

Patterns of government and politics in America's large cities and suburbs. Urban socio-economic environment, influence of party leaders, local officials, social and economic notables, racial, ethnic and other interest groups, press, the general public, and federal and state governments; impact of urban government on ghetto and other urban problems. — E. Fuchs.

*One course credit.*

*M W 2:40-3:55.*

## **W 3611x, W 3611y. International Politics.**

Setting and dynamics of global politics; application of theories of international relations to selected historical and contemporary problems. — Staff.

*One course credit.*

*Section I Tu Th 2:40-3:55.*

*Section II M W 2:40-3:55.*

## **12y. The United Nations in International Politics.**

International organizations in the world political system. Experiences of the League of Nations and the United Nations in conflict management and resolution. Response of the U.N. and other

international and regional organizations to the challenge of interdependence. — D. Miller.

*One course credit.*

*M W 2:40-3:55.*

## **13x, 14y. Political Theory.**

Major political writings from Plato to the present. Comparison of basic ideas and concepts. — D. Dalton.

*Course 13 is prerequisite to Course 14.*

*One course credit.*

*Tu Th 1:10-2:25.*

## **SPECIALIZED COURSES**

### **\*45x. Colloquium on Statistical Analysis of Politics and Policy.**

Descriptive and inferential statistics in analysis of problems in the political process and public policy; practical applications; introduction to the use of the computer in statistical analysis. — E. Fuchs.

*Prerequisite: Course 1 and permission of the instructor.*

*Enrollment limited.*

*One course credit.*

*Th 2:10-4:00.*

## **AMERICAN GOVERNMENT AND POLITICS**

### **V 3316x. The American Presidency.**

Growth of presidential power, creation and use of the institutionalized presidency, presidential-congressional and presidential-bureaucratic relationships, and the presidency and the national security apparatus. — R. Pious.

*Prerequisite: Course 1 or the equivalent.*

*One course credit.*

*M W 2:40-3:55.*

### **22y. The American Congress.**

Dynamics, organization, and policy-making processes of the American Congress. Relationship of legislators to constituents, lobbyists, bureaucrats, the President, and one another. — F. Davidson.

*Prerequisite: Course 1 or the equivalent.*

*One course credit.*

*Tu Th 10:35-11:50.*

### **25x. The Judicial Process.**

Introduction to the American judicial system; origins and strategies of litigation, factors which influence the hearing of cases by the Supreme Court, and controversies over judicial review and the commerce clause. — Instructor to be announced.

*Prerequisite: Course 1 or a course in American history.*

*Not open to students who have taken Course C 3399.*

*Not offered in 1980-1981.*

*One course credit.*



## **26y. Problems in Civil Rights and Liberties.**

Political and legal context of current issues in freedom of speech and religion, racial discrimination, the right to privacy, and criminal law enforcement. — Instructor to be announced.

*Prerequisite: Course 1.*

*One course credit.*

*Section I (lectures) Tu Th 9:10-10:25.*

*Section II (colloquium) Not offered in 1980-1981.*

## **W 3399x. The Supreme Court and American Politics.**

Role of the judiciary and constitutional law in American politics: U.S. Supreme Court, civil liberties, civil rights, federalism, and economic and social regulation. Students write case studies of recent Supreme Court decisions. — A. Westin.

*Prerequisite: Course 1 and junior standing.*

*Not open to students who have taken Course 25.*

*One course credit.*

*M W 11:00-12:15.*

## **\*C 3400y. Colloquium on the Law and Politics of Civil Liberties.**

Legal, political, interest-group, and psychological aspects of civil liberties and civil rights issues. — A. Westin.

*Prerequisites: Junior or senior standing, a course in American government, and permission of the instructor.*

*Not open to students who have taken Course 26.*

*One course credit.*

*M 11:00-12:15.*

## **\*27x. Colloquium on the Content of American Politics.**

Readings, discussions and reports on changing cleavages and issues in American national politics over time including the relationship among political parties, interest groups, elections and public policy. — F. Davidson.

*Prerequisites: Course 1 and permission of the instructor.*

*Enrollment limited to ca. 15 students.*

*One course credit.*

*W 2:10-4:00.*

## **Urban Studies 35y. Colloquium-Workshop in Urban Administration and Management.**

Processes of administration and management in urban organizations. Executive leadership, decision-making, bureaucracy, budgeting and personnel. Resources of New York City utilized to gain first hand experience of administrative and managerial processes through internships. — K. Yatrakis.

*Prerequisite: Course 1 or V 3313 or the equivalent.*

*Enrollment limited to ca. 20 students.*

*One course credit.*

*Tu 2:10-4:00.*

## **G 4245y. Race and Ethnicity in American Politics.**

Historical and contemporary roles of racial and ethnic groups; initiation, demands, leadership and organizational styles and orientation, benefits, and impact on structures and outputs of governance in the United States. — C. Hamilton.

*Prerequisites: Course 1 or V 3313 and junior standing.*

*One course credit.*

*W 11:00-12:50.*

## **\*G 8202y. Colloquium on Congress and Policymaking.**

Role of Congress in national policymaking. Influence of committees, party leaderships, staffs, the President, interest groups, and constituencies; case studies of congressional policymaking. — D. Caraley.

*Prerequisites: Course 1, junior standing and permission of the instructor.*

*Enrollment limited to 15 students.*

*One course credit.*

*Th 2:10-4:00.*

## **FOREIGN GOVERNMENTS AND POLITICS**

### **\*20y. Colloquium on Communism and Revolutionary Change.**

Nature, causes and consequences of revolution; approaches to revolution of the major types of communism in Europe, Asia, and Latin America (including Cuba); revisionism, polycentrism, and "peaceful roads to socialism" as exemplified by events in Chile and by Eurocommunism. — P. Juviler.

*Prerequisites: Course 2, 7 or 21, or the equivalent. Permission of the instructor required.*

*One course credit.*

*Th 2:10-4:00.*

### **\*21x. Colloquium on the Politics of Social Change in the U.S.S.R.**

Soviet conception of human rights and authority; Stalinization and de-Stalinization; case studies of the rights, obligations, and behavior of Soviet citizens as producers and consumers, family members, participants in criminal justice, dissidents, etc., as aspects of the interaction between regime and society. — P. Juviler.

*Prerequisites: Course 2 or 7, or other formal study of government.*

*One course credit.*

*Th 2:10-4:00.*

### **W 3502y. Political Change in the Third World.**

Impact of the world market, multinational corporations, and colonialism on non-Western societies. Political issues arising from social and economic changes; political choices facing peasants, intellectuals, and ethnic minorities; strategies to overcome underdevelopment, including

# Political Science

revolution and reform, critical analysis of theories of modernization, dependency, and historical materialism. — J. Mittelman.

*One course credit.*

*Tu Th 2:40-3:55.*

## **W 3512x. Democratic Politics in Western Europe.**

Democratic politics in Western Europe; political culture, governmental institutions, parties, pressure groups, policymaking in modern industrial societies, and political changes. — G. Rosenthal.

*Prerequisite: Course 2.*

*One course credit.*

*Tu Th 10:35-11:50.*

## **W 3522y. Communist Political Systems.**

Comparative politics applied to the study of Communist societies (with stress on the U.S.S.R. and China); theory and practice; political culture; political and economic institutions and modes of behavior; comparative stages of development and socio-political change. — Instructor to be announced.

*Prerequisite: Course 2 and junior standing.*

*One course credit.*

*Tu Th 2:40-3:55.*

## **W 3018y. Comparative Authoritarian Systems.**

Rise, structures, and collapses of authoritarian regimes in modernizing and industrialized countries, especially in Europe and Latin America; fascism, emergency dictatorships, and military developmentalism; interpretations and explanations from Marxist, developmentalist, and Liberal perspectives. — D. Chalmers.

*Prerequisite: Course 2.*

*Offered in alternate years. Offered in 1980-1981.*

*One course credit.*

*Tu Th 9:10-10:25.*

## **W 3620x. Chinese Politics.**

Domestic and foreign policies of China and the relationship between them; contemporary Chinese politics, including elite conflict, role of ideology, and the great social transformations, with background information on Chinese political culture and pre-revolutionary responses to the challenges of imperialism and modernization. — T. Bernstein.

*Prerequisite: Course 2.*

*One course credit.*

*Tu Th 9:10-10:25.*

## **W 3621x. Japanese Politics.**

Introduction to contemporary Japanese politics and major foreign policy issues; issues of concern in the analysis of Western democratic policies in the Japanese context. — G. Curtis.

*Prerequisite: Course 2.*

*One course credit.*

*Tu 6:10-8:00 p.m. Discussion hour to be arranged.*

## **W 4410y. Parliamentary and Presidential Political Systems.**

Four systems in the Anglo-American tradition: the United Kingdom, Canada, Australia, and the United States; parliamentary and presidential institutions; sovereign, executive, and emergency prerogatives; representation, confidence, and accountability; cabinets, advisory systems, and legislative-executive relations; cross-fertilization and diffusion of institutional innovations. — R. Pious.

*Prerequisite: Course 1 and junior standing.*

*Not offered in 1980-1981.*

*One course credit.*

## **G 4461y. Latin American Politics.**

Political change, authoritarianism, the state role in achieving equality and growth and other problems, with attention to a few major countries in the region. — D. Chalmers.

*Prerequisite: Course 2.*

*One course credit.*

*W 2:10-4:00.*

## **G 4487x. The Dynamics of Soviet Politics.**

Marxism-Leninism in Soviet politics; role of the Communist Party in Soviet government and society; problems of industrialization, stages of development and political change; balance of political forces and pressures in the Soviet state. — S. Bialer.

*Prerequisite: Course 2.*

*One course credit.*

*Tu 9:10-10:50.*

## **POLITICAL THEORY**

### **\*16y. Colloquium on Personality and Politics.**

Readings, discussion, and research on the role of personality in shaping political behavior, with special attention to the impact of personality in political leaders. — F. Davidson.

*Permission of the instructor required.*

*Enrollment limited to 16 students. Application form must be submitted to the instructor in advance for acceptance into the course.*

*One course credit.*

*W 4:10-6:00.*

### **\*24y. Colloquium on Asian Political Thought.**

Comparative analysis of Asian national experiences and political ideas in India and China. — D. Dalton.

*Prerequisite: Course 2 or permission of the instructor.*

*Enrollment limited to 20 students.*

*One course credit.*

*Th 11:00-12:50.*



## **\*31y. Colloquium on American Political Thought.**

Readings, discussion, and research on relationships among political attitudes of intellectuals, social scientists, bureaucrats, and politicians, on the role of political leadership in developing various thematic statements for mass perception, and on the role of bureaucratic intellectuals in developing images for elite audiences. Special attention is paid to political thought involving economic regulation and redistribution, civil rights and liberties, and American "destiny." — R. Pious.

*Prerequisites: Course 1 and permission of the instructor.*

*Enrollment limited to 15 students.*

*Not offered in 1980-1981.*

*One course credit.*

## **\*33y. Colloquium on Concepts of Political Theory.**

Relationship between political theory and political science; selected theoretical concepts and problems within the context of classical and modern theorists, and their pertinence, utility, and limitations for the understanding of contemporary domestic and international politics. — D. Miller.

*Permission of the instructor required.*

*One course credit.*

*Tu 2:10-4:00.*

## **W 3403x. Liberal Democratic Theory.**

Development of liberal democratic theory in England and the United States during the late nineteenth and twentieth centuries; change from laissez-faire to welfare state; changing conceptions of liberty, equality, and justice, and of the appropriate organization and role of government; criticisms of liberal democratic theory; J.S. Mill, Hobhouse, Green, J. Dewey, Dahl, Rawls, Hegel, Marx, Michels, Mannheim, Freud. — E. Sullivan.

*One course credit.*

*Tu Th 2:40-3:55.*

## **W 3404y. Marxism and Its Critics.**

Marx's social and political thought, revisionists and fundamental critics, and selected contemporary approaches to Marxist theory. Marx, Bernstein, Lenin, Sorel, Mannheim, Freud, Marcuse, Sartre, and others. — T. Horne.

*One course credit.*

*Tu Th 4:10-5:25.*

## **W 3411x. Foundations of Western Political Thought: From the Greek Polis to the Formation of the Modern State.**

Leading political theorists in their historical contexts: Plato, Aristotle, Polybius, Cicero, St. Augustine, St. Thomas, Machiavelli, Luther,

Calvin, the Monarchomachs, and Bodin. — J. Franklin.

*One course credit.*

*Tu Th 11:00-12:15.*

## **W 3412y. Modern Political Thought: From the Seventeenth Century to the Present.**

Leading political theorists in their historical contexts: Harrington, Hobbes, Locke, Hume, Montesquieu, Rousseau, J.S. Mill, Hegel, Marx. — E. Sullivan.

*One course credit.*

*Tu Th 10:35-11:50.*

## **W 4620y. Democracy and its Critics.**

Democratic theory and major themes of controversy. — G. Sartori.

*One course credit.*

*Tu 11:00-12:50.*

## **INTERNATIONAL RELATIONS AND FOREIGN POLICY**

### **\*18x. Colloquium on Problems in International Politics.**

Readings, discussions, and presentations on selected problems in international politics. Topic for 1980: Problems of International Political Economy: relationships among individual capitalist states, as well as relationships between industrialized and developing countries; political implications of problems such as international trade, monetary relations, investment, and technology transfer. — D. Miller.

*Prerequisite: Course W 3611 and permission of the instructor.*

*One course credit.*

*Tu 2:10-4:00.*

### **W 3612y. International Politics II: Advanced Topics in International Politics.**

Selected topics in international relations. The content of the course varies from year to year, but topics considered generally include nationalism, imperialism, integration, arms racing, deterrence, and world systematic change. — J. Ruggie.

*Prerequisite: Course W 3611.*

*One course credit.*

*M W 2:40-3:55.*

### **C 3655x. American Strategies in World Politics.**

Major revolutions in American foreign policy; World Wars I and II, and the response to nuclear weapons. — W. Schilling.

*Prerequisite: junior standing.*

*One course credit.*

*M W 11:00-12:15.*

# Political Science

## **W 3656y. The Politics of Policy Making in Defense and Foreign Affairs.**

Political process by which foreign and defense policy is made in the United States, including the roles of the President, Congress, State Department, CIA, the military, the press, interest groups, the attentive public, and the electorate; conceptual models of the politics of policy making. — R. Hilsman.

*Prerequisite: Junior standing.*

*One course credit.*

*M 4:10-6:00. Discussion hours to be arranged.*

## **W 3801y. Western Europe Today: The Dilemma of Political Interdependence.**

Major features and problems of Western Europe interdependence: international and external dimension; political, diplomatic and military aspects; domestic and economic issues as they relate directly to the problems discussed. Case material is confined to West Germany, Great Britain, France, and Italy. — Instructor to be announced.

*One course credit.*

*Tu 4:10-6:00.*

## **COURSES FOR MAJORS AND CONCENTRATORS ONLY**

Admission to particular sections of the senior seminar is limited. During Spring preregistration students must obtain departmental approval for the section desired in the senior seminar.

## **G 4910x. Principles of Quantitative Political Research.**

Introduction to statistical analysis and data processing. Principles of statistical inference and the logic of hypothesis testing. — G. Finch.

*A written report is required.*

*Not offered in 1980-1981.*

*One course credit.*

## **G 4911y. Analysis of Political Data.**

Applications of multivariate statistical techniques to political data. Practical questions of research and data processing. — G. Finch.

*Prerequisite: Course G 4910 or permission of the instructor.*

*A written report is required.*

*Not offered in 1980-1981.*

*One course credit.*

## **V 3711x-V 3712y. Research Seminar in American Politics.**

Discussions, conferences, and the writing of a senior essay on selected topics of American public policy and politics. — Staff.

*One course credit.*

*Section I W 4:10-6:00. D. Caraley.*

*Section II W 4:10-6:00. E. Fuchs.*

*Section III x: Tu 2:10-4:00. Instructor to be announced.*

*y: M 11:00-12:50. C. Hamilton.*

*Section IV Th 2:10-4:00. Instructor to be announced.*

*Section V Th 4:10-6:00. F. Davidson.*

*Section VI x: Th 11:00-12:50. R. Alford.*

*y: M 11:00-12:50. A. Westin.*

*Section VII W 4:10-6:00. K. Yatrakis.*

## **61x-62y. Research Seminar.**

Discussion and conferences on the researching and writing of the senior essay. — Staff.

*One course credit.*

*Section I Th 4:10-6:00. P. Juviler.*

*Section II Tu 4:10-6:00. D. Dalton.*

*Section III Tu 4:10-6:00. D. Miller.*

*Sections IV, V Hours to be arranged.*

## **GRADUATE COURSES**

Certain graduate courses given in the University are open to qualified majors with the consent of the department and the major adviser. These courses are described in the Bulletins of the Graduate School of Arts and Sciences, the Graduate Program in Public Affairs and Administration, and the School of International Affairs.



# Psychology

Office: 415 Milbank Hall

Telephone: 280-2069

## Professor

Lila Ghent Braine,<sup>1</sup> Richard P. Youtz<sup>2</sup>

## Visiting Professor

Thomas Perera

## Associate Professors

Barbara S. Schmitter, Rae Silver (Chairman)

## Adjunct Associate Professor

Donald E. Hutchings

## Assistant Professors

Peter Balsam, Julie Doron, George W. Kelling, James Larson, Stanley E. Nyberg, Robert Remez, Frances F. Schachter, Sandra F. Stingle, Christina L. Williams

## Adjunct Assistant Professors

Fernando Alvarez, Howard Andrews, Barry Farber, Shanna Richman, Barbara Schechter

<sup>1</sup>Absent on leave, 1980-1981

<sup>2</sup>Emeritus

Psychology is the study of behavior and experience, and therefore of a diversity of phenomena, from love to aggression, from the first babblings of infants to creative intellectual behavior, from understanding sexual behavior to the mechanisms of taste. Faculty members in Psychology have a wide range of research interests, including social and cognitive development, memory, sexual and parental behavior, animal learning, leadership, and intimate violence.

Common to all areas of psychology is a concern with adequate and appropriate methodology. The student will be exposed, therefore, to many psychological facts and to the methods of their discovery through lecture, laboratory, field courses, and various other offerings.

Opportunities are available for supervised research, teaching, and field experiences. Independent study and the Senior Seminar involve participation in research with a faculty member. The Toddler Center and a course in Field Work in Psychological Services provide a different sort of direct contact with the raw material of psychology, as do Teaching Apprentice Seminars.

The department sponsors a Psychology Club, which, among other activities, publishes the yearly *Barnard Journal of Psychology*.

Psychology as a major is good preparation for many careers. Many majors enter graduate school in psychology, neurosciences, education and professional schools, including medical, law, and business schools. There is no set sequence for a major with a given career goal, but the department recommends a balance between courses that are directly preparatory and exposure to material the student may never encounter formally again.

Students may preregister for courses by signing up in April and November for the following semester. Sign-up sheets are posted on the bulletin board outside the Psychology Department, Room 415 Milbank.

A laboratory fee of \$10 is charged for each laboratory course: 5, 8, 17, 27, 30, 36, and 56.

Students interested in Biopsychology should consult page 95.

## REQUIREMENTS FOR THE MAJOR

The student majoring in Psychology is exposed to the diversity of the discipline through the required core courses and the selection of appropriate electives.

# Psychology

Eight courses in psychology (of which two must be lab courses) and three courses in related disciplines are required for the major. Six of the eight required psychology courses must be taken at Barnard College.

|              |   |
|--------------|---|
| Psychology 1 | <i>Introduction to Psychology</i> (prerequisite for further psychology courses) |
|--------------|---|

|              |  |
|--------------|--|
| Psychology 9 | <i>Statistics</i> (preferably in the sophomore year) |
|--------------|--|

One course chosen from:

|                     |                                  |
|---------------------|----------------------------------|
| Psychology 5        | <i>Psychology of Learning</i>    |
| Psychology 30 or 32 | <i>Human Learning and Memory</i> |

One course chosen from

|                     |                                  |
|---------------------|----------------------------------|
| Psychology 25       | <i>Psychology of Personality</i> |
| Psychology 36 or 38 | <i>Social Psychology</i>         |
| Psychology 41       | <i>Abnormal Psychology</i>       |

In choosing her four electives, a student should try to achieve a balance in her training by taking at least one course from each of the following categories:

Developmental, Social, Clinical: 25, 27 or 29, 36 or 38, 41, 42, 51, 62, 71, 72

Methodology and Research: 56, 58, W 4107, 91-92, 99

Physiological, Perception, Learning: 5, 8 or 10, 17 or 19, 30 or 32, 54, 60, 74

Only one of the Teaching Apprentice Seminars (49 and 50) may be used for the major; both may be taken for credit, however.

The three-required courses in related disciplines should be distributed as follows: a one-year laboratory course sequence in either biology, chemistry, or physics; a course from one of the cognate disciplines: anthropology, linguistics, sociology, philosophy, economics.

The eleven required courses must be taken for a letter grade; the grade must be C or better in all psychology courses. Beginning with the class of 1982, the grade must be C or better in all courses required for the major.

The major examination consists of either the Graduate Record Examination in Psychology or satisfactory completion of Psychology 91-92, *Senior Research Seminar*.

When in doubt, the student should consult with her major adviser, whom she should select when she decides to major in psychology, and who will be her chief academic adviser during her last years. The student may select the appropriate adviser in consultation with the administrative assistant or chairman.

## REQUIREMENTS FOR THE MINOR

Five courses are required for the minor, including Psychology 1, 9, and one laboratory course. Two additional electives, excluding Psychology 49, 50, 65-66, 91-92, and 99, are required. These electives may be selected from the Psychology Department course offerings. Three of the five psychology courses must be taken at Barnard.

## COURSES OF INSTRUCTION

### INTRODUCTORY COURSE

#### **1x, 1y. Introduction to Psychology.**

Introduction to the chief facts, principles, and problems of human and animal behavior, through systematic study of a text, lectures, exercises, reading in special fields, and brief participation in a current investigation. (An alternative to parti-

cipation can be arranged at the student's request.)  
— Staff.

*This course is prerequisite for all other Psychology courses.*

*Preregistration in the department is required.*

*Enrollment is limited to 45 students per section.  
One course credit.*



- x: *Section I Tu Th 1:10-2:25. D. Hutchings.*  
*Section II M W F 10:00. R. Remez.*  
*Section III M W F 10:00. S. Nyberg.*  
*Section IV M W F 11:00. J. Larson.*  
*Section V M W F 11:00. R. Remez.*  
*Section VI Tu Th 9:10-10:25. S. Richman.*  
*Section VII Tu Th 1:10-2:25. T. Perera.*
- y: *Section I Tu Th 9:10-10:25. S. Richman.*  
*Section II M W 1:10-2:25. F. Alvarez.*  
*Section III M W 1:10-2:25. J. Doron.*  
*Section IV Tu Th 1:10-2:25. D. Hutchings.*  
*Section V M W 2:40-3:55. F. Alvarez.*

## LOWER LEVEL COURSES

### 5x. Psychology of Learning.

Basic methods, results and theory in experimental analysis of behavior. Operant and classical conditioning, and application of these procedures to analysis of behavior in a variety of species, including humans. Laboratory consists primarily of experiments using rats as subjects. — P. Balsam and assistants.

*Prerequisite: Course 1.*

*Enrollment limited to 60 students.*

*One and one-quarter course credits.*

*Lecture Tu Th 11:00. One hour reading evaluation to be arranged.*

*Laboratory Tu, W or Th 1:10-4:00.*

### 8y. Perception.

Introduction to problems, methods, and results of studies in perceptual behavior. Literature survey, key experiments, problems of definition and experimental method. In the laboratory students conduct typical experiments and prepare systematic reports of their results. — R. Remez and assistants.

*Prerequisite: Course 1 or permission of the instructor.*

*One and one-quarter course credits.*

*Lecture M W 11:00-12:15.*

*Laboratory M or Th 1:10-4:00.*

### 9x, 9y. Statistics.

Introduction to statistics and its applications to psychological research. Basic theory, conceptual underpinnings, and common statistics. Recitation devoted to discussion of weekly problem assignments.

*Prerequisite: Course 1 or permission of the instructors.*

*Enrollment limited to 35 students per section.*

*One course credit.*

x: *Section I M W F 9:00. G. Kelling.*

*Recitation Tu or W 1:10-3:00.*

*Section II M W F 11:00. H. Andrews.*

*Recitation Tu or W 1:10-3:00.*

y: *Section I M W F 9:00. G. Kelling.*

*Recitation Tu or W 1:10-3:00.*

*Section II M W F 10:00. H. Andrews.*

*Recitation M or Tu 11:00-12:50.*

### 10y. Perception.

Same as Course 8, but without laboratory. — R. Remez and assistants.

*Prerequisite: Course 1 or permission of the instructor.*

*One course credit.*

*M W 11:00-12:15.*

### 17y. Physiological Psychology.

Introduction to phylogeny and ontogeny of behavior, neuroanatomy and neurophysiology; neural basis of sensory processes, motor behavior, hunger, thirst, sexual behavior, sleep and arousal, learning and memory. — C. Williams and assistants.

*Prerequisite: Course 1.*

*Enrollment limited to 40 students.*

*One and one-quarter course credits.*

*Lecture M W 1:10-2:25.*

*Laboratory W 2:30-5:30.*

### 19y. Physiological Psychology.

Same as Course 17y, but without laboratory. — C. Williams and assistants.

*Prerequisite: Course 1.*

*Enrollment limited to 20 students.*

*One course credit.*

*M W 1:10-2:25.*

### 25x. Psychology of Personality.

Survey of the area; major theorists; research utilizing personality variables; implicit and explicit personality theories of various types of people; articulation of the dialectic between explanations as a function of personality and explanations as a function of situational determinants. — G. Kelling.

*Prerequisite: Course 1 or permission of the instructor.*

*One course credit.*

*M W F 11:00.*

### 27x, 27y. Developmental Psychology.

Cognitive, linguistic, perceptual, motor, social, and personality development from infancy to adolescence. Laboratory offers an opportunity for direct contact with children; major areas of research at each level of development are covered. — x: B. Schecter and assistants; y: F. Schachter and assistants.

*Prerequisite: Course 1 or permission of the instructor.*

*Enrollment limited to 48 students.*

*One and one-quarter course credits.*

*Lecture M W 1:10-2:25.*

*Laboratory M 2:30-5:30, Tu 2:10-5:00.*

### 29x, 29y. Developmental Psychology.

Same as Course 27, but without laboratory. — x: B. Schecter and assistants; y: F. Schachter and assistants.

# Psychology

*Prerequisite: Course 1 or permission of the instructor.*

*Enrollment limited to 20 students.*

*One course credit.*

*M W 1:10-2:25.*

## **30y. Human Learning and Memory.**

Survey of contemporary experimental approaches to the understanding of human learning and memory: historical overview, the acquisition of information, theories of forgetting, transfer of learning, and models of semantic memory. The laboratory consists of experiments and demonstrations related to the above topics. — S. Nyberg and assistant.

*Prerequisite: Course 1 or permission of the instructor.*

*Enrollment limited to 30 students.*

*One and one-quarter course credits.*

*Lecture M W F 11:00.*

*Laboratory W 1:10-4:00.*

## **32y. Human Learning and Memory.**

Same as Course 32, but without laboratory.

— S. Nyberg and assistant.

*Prerequisite: Course 1 or permission of the instructor.*

*One course credit.*

*M W F 11:00.*

## **34x. Educational Psychology.**

Participative classroom model; major theories and issues in human psychological development and learning fundamental to the educative process; implications and applications of underlying psychological and educational assumptions in elementary and secondary classrooms. — B. Farber.

*Prerequisite: Course 1 or permission of the instructor.*

*Research groups meet every third week with instructor and/or assistant.*

*One course credit.*

*Tu Th 10:35-11:50.*

## **36x. Social Psychology.**

Human behavior considered in terms of interpersonal activities; person perception, attitude change, interpersonal attraction, aggression, altruism, group dynamics, social exchange; contributions of laboratory and field research. — J. Doron and assistant.

*Prerequisite: Course 1 or permission of the instructor.*

*Enrollment limited to 25 students.*

*One and one-quarter course credits.*

*Lecture Tu Th 9:10-10:25.*

*Laboratory Th 1:10-4:00.*

## **38x. Social Psychology.**

Same as Course 36, but without laboratory. — J. Doron and assistant.

*Prerequisite: Course 1 or permission of the instructor.*

*Enrollment limited to 50 students.*

*One course credit.*

*Tu Th 9:10-10:25.*

## **MIDDLE LEVEL COURSES**

### **41x, 41y. Abnormal Psychology. (formerly 21)**

Theories and explanations of behavior termed neurotic and psychotic, with research bearing on their adequacy and validity; research on characteristics of persons who have been placed in various diagnostic categories; theories of therapy, with research bearing on the outcome of therapy. — x: F. Schachter; y: G. Kelling.

*Open to juniors and seniors who have had Course 1.*

*One course credit.*

*x: Tu Th 9:10-10:25.*

*y: M W F 11:00..*

### **42y. Child-Rearing: A Survey of Alternative Practices.**

Theories, methods, and implications of child-rearing practices examined through studies of parent-child relationships, varied family structures, and the influence of temperament, gender, birth order, and values. — Instructor to be announced.

*Prerequisite: Course 1 or permission of the instructor Course 27 desirable.*

*Enrollment limited to 30 students.*

*Field work is required.*

*One course credit.*

*Tu Th 10:35-11:50.*

### **49x. Teaching Apprentice Seminar (Learning).**

Intensive analysis of principles of learning covered in Course 5. In addition to supplementary materials, students read the material assigned to Course 5 students, prepare Reading Evaluation Forms, and demonstrate superior comprehension of the subject matter. Individual work with Course 5 students. — P. Balsam.

*Prerequisite: Course 5 and permission of the instructor.*

*One course credit.*

*M 2:10-4:00.*

### **50y. Teaching Apprentice Seminar (Introductory).**

Intensive analysis of areas covered in Course 1. In addition to supplementary materials, students read the material assigned to Course 1 students, demonstrate superior comprehension of the material, and are instructed in the techniques of conducting reading evaluations. Individual work with Course 1 students. — P. Balsam.



*Open to juniors and seniors with permission of the instructor.*

*Not offered in 1980-1981.*

*One course credit.*

## **51x. Organizational Psychology.**

Introduction to behavior of individuals and small groups in work organizations. Recent theory and research emphasizing both content and research methodology. Motivation and performance, attitudes and job satisfaction, power, influence and authority, leadership, cooperation and conflict, decision making, and communications. — J. Larson.

*Prerequisite: Course 1.*

*Enrollment limited to 45 students.*

*One course credit.*

*M W F 10:00.*

## **54x. Hormones and Reproductive Behavior. (formerly 18)**

Biological basis of parental and sexual behavior from a comparative perspective. Complex relations among genetic, hormonal, environmental, and experiential factors in mediating sexual, parental, emotional, and feeding behavior. Aspects of biology and physiology necessary to understand those behavioral processes are covered in class and are **not** prerequisites. — R. Silver.

*Prerequisite: Course 1.*

*Enrollment limited to 45 students.*

*One course credit.*

*M W 2:40-3:55.*

## **56y. Psychological Measurement. (formerly 12)**

Introduction to test theory, including concepts of item construction, standardization, reliability, validity, and motivation. Design and research related to major categories of current tests. Laboratory projects are concerned with constructing and evaluating tests, assessing various methods of test administration, and quantitative procedures necessary for evaluations and assessments. — J. Larson and assistant.

*Prerequisites: Courses 1 and 9, and permission of the instructor.*

*One and one-quarter course credits.*

*Lecture M W F 10:00.*

*Laboratory Th 1:10-4:00.*

## **UPPER LEVEL COURSES**

### **60x. Cognitive Psychology. (formerly 40)**

Selected topics illustrating the methods, findings, and theories of contemporary cognitive psychology. Historical antecedents of current questions and research techniques. Perception, episodic and semantic memory, psycholinguistics, and problem solving. — S. Nyberg.

*Prerequisites: 3 psychology courses or permission of the instructor.*

*Enrollment limited to 15 students.*

*One course credit.*

*M W 1:10-2:25.*

### **62y. Psychoanalysis from Freud to Laing. (formerly 44)**

Psychoanalytic thought from Freud and the Freudians (Erikson, A. Freud, Klein, Kohut, and Kernberg) to early revisionists (Jung, Adler, and Reich), neo-psychoanalysts (Fromm, Sullivan, and Horney) and existential analysts (Binswanger, Boss, May and Laing) is presented. — F. Schachter.

*Open to juniors and seniors who have had Course 1 or permission of the instructor.*

*Not offered in 1980-1981.*

*One course credit.*

### **63x. Field Work in Psychological Services.**

Supervised field work applying psychological principles in clinical, educational, medical, and other institutional settings. Theoretical approaches to clinical problems and case materials. — S. Stingle.

*Permission of the instructor required in the spring of the previous year.*

*Enrollment limited to 12 advanced students; seniors given priority.*

*Field work is required — six to eight hours per week.*

*One course credit.*

*Tu 10:30-12:00 plus supervision to be arranged.*

### **65x, 66y. Field Work and Research Seminar: Barnard Toddler Center. (formerly 45-46)**

The Barnard Toddler Center provides the focus for field work and research in applied developmental psychology, an amalgam of developmental, educational, and clinical psychology. Students assist one morning a week at the Center, carry out individual research projects, and participate in research. There is a 2-hour weekly seminar. — F. Schachter.

*Prerequisites: Course 27 and permission of the instructor. Permission should be requested in the spring of the year preceding registration.*

*Enrollment limited to ca. 8 students.*

*One course credit.*

*Tu 12:00-2:00.*

### **67x. History and Systems of Psychology.**

Development of the discipline of psychology examined in the context of significant events occurring in other fields (philosophy, other sciences) and in society. Major schools of psychology: Structuralism, Functionalism, Behaviorism, Gestalt psychology and Psychoanalytic theory. — L. Braine.

*Open to juniors and seniors who have had Course 1 and two other courses in psychology or permission of the instructor.*

*Not offered in 1980-1981.*

*One course credit.*

# Psychology

## **68x, 68y. The Design of Experiments.**

Research reports studied through nonstatistical analysis of procedures and justifiable conclusions. Research stages include: speculation, measurement, observed relation, experiment, and theory construction; applications to current publications. Each student writes a term paper analyzing five experimental research reports in an area of her interest. — R. Youtz.

*Prerequisite: Course 1.*

*Enrollment limited to 10 students.*

*One course credit.*

*Tu Th 9:10-10:25.*

## **SEMINARS**

### **70x. Special Topics.**

#### **I. Psychological Analysis of Racism.**

Psychological factors influencing the development and expression of racist attitudes and actions, with special references to black-white relations. Psychodynamic studies of hostility, anger, self-concept, mechanisms of defense, and other factors that produce and reduce racism. Each student will write an original research paper.

*Prerequisite: Course 1 and permission of the instructor.*

*Enrollment limited to 20 students.*

*Not offered in 1980-1981.*

*One course credit.*

#### **71x. Psychology and Women.**

Selected topics relevant to the scientific understanding of women's behavior and experience: sex differences in personality and abilities; development of sex differences; biological, psychodynamic and social learning theories; psychological aspects of special female experiences (e.g., menstruation, childbirth, abortion); women and therapy; women at work; and the sociology of psychology as it affects women. — J. Doron.

*Prerequisites: Course 1 and two other psychology courses, and junior or senior standing.*

*Enrollment limited to ca. 20 students.*

*One course credit.*

*Tu 2:10-4:00.*

#### **72y. Topics in Developmental Psychology.**

Selected topics, such as prenatal and postnatal environments as factors in early development, perceptual development, Piagetian theory and current extensions of it, family structures and alternative rearing practices, socialization into sex roles. — L. Braine.

*Prerequisites: Courses 1 and 27 or the equivalents.*

*Enrollment limited to 15 students.*

*Not offered in 1980-1981.*

*One course credit.*

## **74y. Theories of Learning. (formerly 16)**

Comparative study of major accounts of learning processes, including behavioral, cognitive, and biological theories. Evaluation of qualitative and quantitative models and their logical and empirical validity. — P. Balsam.

*Prerequisites: Course 5 and junior or senior standing.*

*Enrollment limited to 15 students.*

*Offered in alternate years. Offered in 1980-1981.*

*One course credit.*

*W 2:30-5:00.*

## **W 4107y. Applications of Experimental Psychology.**

Actual and potential applications of basic research in many areas of psychology. Traditional approaches to clinical situations; alternative experimental approaches to therapy, institutional design, and social planning; clinical assessment, behavior modification, self-control, creativity, law, education, and the ethics of social control. — P. Balsam.

*Prerequisites: Learning course and permission of the instructor.*

*Enrollment limited to 15 students.*

*Offered every three years. Offered in 1981-1982.*

*One course credit.*

## **91x-92y. Senior Research Seminar.**

Discussion and conferences on a research project culminate in a senior thesis. Each project must be supervised by a member of the department. Successful completion of the seminar substitutes for the major examination. — Instructor to be announced.

*Open to eight senior psychology majors who submit a research proposal which has been approved by the course instructor and the project supervisor.*

*Prerequisites: Course 9, a minimum of five other psychology courses must be completed, and permission of the instructor.*

*One course credit.*

*F 2:10-4:00.*

## **99x, 99y. Individual Projects.**

Research projects planned in consultation with members of the department. — Staff.

*Open to majors on written permission of the department member who will supervise the project.*

*One course credit.*

*Hours to be arranged.*



# Religion

Office: 219 Milbank Hall

Telephone: 280-5419, 5418

## Professors

Theodor H. Gaster,<sup>1</sup> Elaine H. Pagels (Chairman)<sup>2</sup>

## Visiting Professor

Lewis W. Spitz

## Associate Professor

Alan Segal

## Assistant Professors

Joel Brereton, Hillel Fradkin, Marilyn Haran<sup>3</sup>

Other officers of the University offering courses listed below:

## Professors

Gillian Lindt, James A. Martin, Jr., Robert Somerville, Alex Wayman

## Adjunct Professor

David Weiss - Halivni

## Associate Professor

Wayne L. Proudfoot

## Assistant Professors

Peter J. Awn, Arnold M. Eisen, Paul R. Valliere

## Visiting Assistant Professors

Raoul Birnbaum, George Elder, Joseph Roccasalvo

<sup>1</sup>Emeritus

<sup>2</sup>Absent on leave, Autumn Term

<sup>3</sup>Absent on leave, 1980-1981

The study of religion at Barnard offers exploration of the literature and traditions of major world religions — Buddhism, Christianity, Hinduism, Islam, and Judaism. The student majoring in Religion may select either to focus on one of these, or to engage in comparative study of religions. In either case, she will discover various approaches to the understanding of religion, including literary, psychological, anthropological, historical, and sociological approaches.

The student with a degree in religion may undertake graduate and professional studies in religion, literature, and history; she may also enter upon careers ranging from medicine, clinical psychology, various forms of ministry and social service, to creative writing, art, education, journalism, and film, where the value of an understanding of religion is increasingly being recognized.

The Department of Religion at Barnard cooperates with the Columbia department in order to offer to Barnard and Columbia students a full crosslisted range of courses. The departments' Forum in Religion provides an opportunity for students to meet distinguished people in the field in an informal setting. Students are encouraged to meet often with faculty, as well as with other majors from Barnard and Columbia.

The Jewish Theological Seminary of America and Union Theological Seminary are located within one block of Barnard; students are encouraged to use the resources they offer.

All courses, except those limited to majors, satisfy the Colleges' distribution requirements. Those designated as courses in the history of religion (i.e., History of Judaism) satisfy requirements in Category 4 of the distribution requirements; all others satisfy those in Category 3.

# Religion

## REQUIREMENTS FOR THE MAJOR

Every major is expected to have some knowledge of different religious traditions. The student's program should be designed in consultation with her adviser.

Ten courses are required for the major, including

One of the introductory courses, i.e.

|        |  |
|--------|--|
| V 1101 | <i>Introduction to the Study of Western Religion</i> |
| V 1102 | <i>Introduction to the Study of Eastern Religion</i> |
| V 1002 | <i>Major Topics in the Study of Religion</i>         |

Two courses in the Traditions, i.e.

|        |                     |
|--------|---------------------|
| V 2607 | <i>Buddhism</i>     |
| V 2610 | <i>Christianity</i> |
| V 2600 | <i>Hinduism</i>     |
| V 2630 | <i>Islam</i>        |
| V 2620 | <i>Judaism</i>      |

Major's Colloquium (taken in the senior year);

One course taken as a seminar, colloquium, or guided reading; and

Five other courses in religion (one or two may be courses related to religion in other departments, i.e., History of the Jews in Europe, East Asian Art, Greek Mythology).

Students majoring in religion are required to prepare a substantial research paper or essay in consultation with a member of the department. The essay may have its origin in a course or seminar, or may be written in connection with guided reading or research (V 3901-V 3902).

## REQUIREMENTS FOR THE MINOR

The minor consists of 5 courses, including:

One of the introductory courses (i.e. Courses V 1101, V 1102, V 1001);

Two courses selected from the Traditions; and

One course taken as a seminar, colloquium, or guided reading.

The Department also cooperates with related programs such as Ancient Studies, Oriental Studies, Jewish Studies, and with other departments, to arrange combined, double, joint, and special majors. These arrangements are made in consultation with the chairman.

## COURSES OF INSTRUCTION

Courses offered by other departments and the graduate program, but integral to the study of religion are listed here only by title. For a complete description, please consult the appropriate bulletin.

### INTRODUCTORY COURSES

**V 1001x, V 1001y. Major Topics in the Study of Religion.**

Introduction to theory and practice of religion, East and West, e.g., myth and ritual, reason and revelation, law and community, mysticism and religious organization. — x: P. Awn; y: H. Fradkin.

*One course credit.*

*x: M W 11:00-12:15.*

*y: M W 1:10-2:25.*

**V 1101x, V 1101y; V 1102x, V 1102y. Introduction to the Study of Religion.**

Phenomenology of religious experience and historical forms of religious life; presuppositions, data, and documents of religions of East and West. V 1101: religions of the West. V 1102: religions of the East. — Staff.

*Students may begin their study of religion with either course.*

*One course credit.*



V 1101x *Section I Tu Th 10:35-11:50. L. Spitz.*  
 V 1101y *Section I Tu Th 1:10-2:25. H. Fradkin.*  
 V 1102x *Section I MW 6:10-7:25. J. Roccosalvo.*  
 V 1102y *Section I Tu Th 10:35-11:50. J. Brereton.*

## THE TRADITIONS

### V 2607x. Buddhism. (formerly V 3607)

Chronological and phenomenological survey of the development of Buddhism in India from Gautama and the original Buddhism to Hinayana sectarianism; Mahayana, and Vajrayana; institutions, sects, cults, meditation and spirituality, philosophy. — G. Elder.

*One course credit.*

*M W 2:40-3:55.*

### V 2610x. Christianity.

Survey of Christianity from beginnings through the Reformation. — P. Valliere.

*One course credit.*

*Tu Th 10:35-11:50.*

### V 2600x. Hinduism. (formerly V 3600)

Origin and development of central themes of traditional Hinduism; basic religious literature and its relation to Indian culture. Readings include original sources in translation. — J. Brereton.

*One course credit.*

*M W 1:10-2:25.*

### Islam-Religion V 2630x. Islam. (formerly V 3630)

Survey of Islamic institutions, ideas, and spirituality, their origin and development in formative and classical periods and their continued evolution in a variety of cultural settings. — P. Awn.

*One course credit.*

*Tu Th 1:10-2:25.*

### V 2620x. Judaism.

Historical overview of Jewish belief and practice as these have crystallized and changed over the centuries. Special attention to ritual and worship, forms of religious literature, central concepts, religious leadership and institutions, and Israel among nations. — A. Eisen.

*One course credit.*

*M W 11:00-12:15.*

## INTERMEDIATE COURSES

## EASTERN RELIGIONS

### V 3602y. Classical Texts in Eastern Religion.

Topic for 1980-1981: ancient Indian mysticism; readings from sources for Indian mysticism: *Rig-veda*, *Brahmanas*, and *Upanishads*. — J. Brereton.

*Offered in alternate years. Offered in 1980-1981.*

*One course credit.*

*M W 4:10-5:25.*

### V 3608y. Buddhism of Tibet, China and Japan.

Historical and phenomenological study of Buddhism in the Far East; confrontation with indigenous traditions and cultural assimilation; sects and schools; institutions; Buddhism and the state; philosophy; new forms of spirituality and redefinition of the "Holy Man." — R. Birnbaum.

*One course credit.*

*M W 2:40-3:55.*

### V 3611y. Chinese Religious Thought.

Native religious and philosophical movements and Buddhist developments in China.

*Not offered in 1980-1981.*

*One course credit.*

### V 3613x. Japanese Religious Thought.

Shinto: myths and cult, Shrine Shinto and popular Shinto. Japanese Buddhism: origins and adaptation, Tendai, Shingon, Jodo pietism and Honen, Nichiren, Zen, Confucianism. Folk religion; religion and the arts; encounter with Christianity; modern movements in Japanese religion.

*Not offered in 1980-1981.*

*One course credit.*

### W 4607x. Contemporary Asian Spirituality.

Modern trends in Asian religion, especially in India and Japan, and their impact upon the West. Neo-Vedanta movement and Hindu devotional sects in India, "new religions" of Japan, and resurgence and transformation of Buddhism in Asia.

*Not offered regularly. Not offered in 1980-1981.*

*One course credit.*

### Middle East W 3010x. History of Astrology in the Ancient and Classical World.

Role of astrology in the development of astronomy; calendar systems of the ancient Orient; origin of zodiac division; deification of plants and stellar myth; influence of astrology in Egypt, Babylon, China, Greece, Rome, Iran, and India. — A. Wayman.

*One course credit.*

*Tu Th 2:40-3:55.*

### Indic-Religion G 4301x. Hindu and Buddhist Tantrism.

### Indic-Religion G 4335x. History and Doctrine of Indian Buddhism.

### Indic-Religion G 4340x. The Vedic Tradition.

Survey of the chief features of the four Vedas, the *Brahmanas*, and the *Upanishads* of India; the Vedic sacrifice, the opponents of Vedism, and the beginning of Hinduism. — A. Wayman.

*Offered in alternate years. Offered in 1980-1981.*

*One course credit.*

*W 11:00-1:00.*

# Religion

## **Indic-Religion G 4454y. Indian Philosophy.**

Historical survey of Indian philosophy, including Vedic philosophical fragments, the six traditional schools, heterodox system, and aesthetic theory. — A. Wayman.

*One course credit.*

*W 11:00-1:00.*

## **Iranian-Religion G 4703x-G 4704y. Religions and Philosophies of Ancient Iran.**

## **Oriental Studies-Religion G 4399x-G 4400y. Colloquium.**

### **WESTERN RELIGIONS**

#### **Judaism**

### **V 3201x. Introduction to the Hebrew Bible.**

Introduction to the literature of ancient Israel against the background of the ancient Near East. — A. Segal.

*One course credit.*

*M W 1:10-2:25.*

### **V 3215x. Biblical and Ancient Near Eastern Law.**

Biblical law codes as reflections of social and religious values and their relation to legal practice compared to legal codes and practice in neighboring cultures from the earliest time to 500 B.C.E.

*Not offered in 1980-1981.*

*One course credit.*

### **V 3301x. Religion and Society in Ancient Israel and the Post-Exilic Community.**

Development of ancient Israelite religion and society in the Near East and its transformation into Judaism. Religious development will be treated within its historical context. Religion in the patriarchal period, Biblical monotheism, prophecy, popular religion, organized religious institutions, scriptural religion; origin of the synagogue and survival of the temple cult into late antiquity. Biblical and extra-Biblical texts read in the original or in translation.

*Not offered in 1980-1981.*

*One course credit.*

### **W 4302x. Religion and Society in the Period of the Mishnah and Talmud. (formerly V 3302)**

Critical survey of Jewish beliefs, practices, and institutions in late antiquity and the early medieval period. Primary sources read in original or in translation. — A. Segal.

*One course credit.*

*W 4:10-6:00.*

### **V 3303x. Judaism in the European Middle Ages and the Renaissance.**

Adaptation of Jewish religion to the European environment from the tenth to the seventeenth

century. Modifications of rabbinic law; religious practice; liturgy and holy days; philosophic and mystical interpretations; messianic movements; emergence of the Hasidic movement.

*Not offered in 1980-1981.*

*One course credit.*

### **V 3320y. Introduction to Early Rabbinic Literature.**

Major rabbinic writings (second to sixth century); emphasis on Agadah (nonlegal) sources. — A. Segal.

*Not offered regularly. Offered in 1980-1981.*

*One course credit.*

*M W 2:40-3:55.*

### **V 3333x. Introduction to Jewish Mysticism.**

Historical and analytic survey of Jewish mystical movements. Copresence and tension between conservative and revolutionary tendencies in Jewish mysticism. Kabbalah, Sabatianism, and Hasidism. — H. Fradkin.

*One course credit.*

*Tu Th 1:10-2:25.*

### **W 4304y. Judaism in the Modern Western World.**

Judaism from the 18th century to the present in Europe, America, and Israel; religious responses to emancipation in Western Europe; Reform and Neo-Orthodoxy, Jewish enlightenment and its religious aspects and consequences; advance of Jewish secularism, especially in Eastern Europe; cosmopolitanism and nationalism in Jewish religious thought; Zionism, from idea to reality; Jewish peoplehood and the Conservative movement in America; modern Orthodoxy and its institutions; religion in Israel; an old faith in a new state. — A. Eisen.

*Not offered in 1980-1981.*

*One course credit.*

### **W 4310y. Talmudic and Geonic Literature.**

Major rabbinic texts; development of the Mishnah, Midrash, and Talmud from the first century B.C.E. to the seventh century C.E., reaching from the pre-Christian to the Islamic period. Rabbinic texts read in the original language. — D. Weiss - Halivni.

*Offered in alternate years. Offered in 1980-1981.*

*One course credit.*

*M 11:00-1:00 and one hour to be arranged.*

### **W 4312x. Modern Philosophies of Judaism.**

Representative contemporary philosophies of Judaism; Holocaust, state of Israel, ethics of Judaism, and nature of Jewish law and authority today. Hermann Cohen, Leo Baeck, Classical Zionists, Mordecai Kaplan, Franz Rosenzweig, Martin Buber, and Abraham Heschel. — A. Eisen.

*Offered in alternate years. Offered in 1980-1981.*

*One course credit.*

*Tu Th 4:10-5:25.*



**History W. 4508y. History of the Israelites to Alexander's Conquest.**

**Philosophy G 4155x. Hellenistic Jewish Philosophy.**

**Philosophy G 4180y. Medieval Islamic and Jewish Philosophy.**

**Philosophy G 4227x. Spinoza.**

## Christianity

**V 3202y. Introduction to the New Testament.** Introduction, by critical methods, to the religious history of the Christian movement in the New Testament period. — E. Pagels.  
*One course credit.*  
*M W F 11:00.*

**V 3402y. Early Christianity.** Emergence of early Christian communities and thought; Jesus of Nazareth; Paul; the apostolic age; political clash with Rome; paganism and the mystery religions; dialectic of orthodox and heretical thought to Augustine. — E. Pagels.  
*Prerequisites: Course V 3202 recommended.*  
*Offered in alternate years. Offered in 1981-1982.*  
*One course credit.*

**V 3404y. Eastern Christianity.** History of Eastern Christianity from the time of Constantine and the Greek and Oriental Fathers of the fourth century to early modern times; institutions, mystical theology, monasticism, religious art; considerable attention to Russia. — P. Valliere.  
*Offered in alternate years. Offered in 1981-1982.*  
*One course credit.*

**V 3405x. Medieval Ecclesiastical History: 300-900.** Institutional, doctrinal, and social development of Christianity from Constantine to the dissolution of the Carolingian Empire, with emphasis on the Latin tradition. — R. Somerville.  
*Not offered in 1980-1981.*  
*One course credit.*

**V 3406y. Medieval Ecclesiastical History: 900-1400.** Institutional, doctrinal, and social development of Latin Christianity from the post-Carolingian age to the conciliar struggles of the 15th century. — R. Somerville.  
*One course credit.*  
*Tu Th 10:35-11:50.*

**V 3407x. Mysticism.** Investigations of selected mystical writings including Meister Eckhart, Theresa of Avila, and Francis of Assisi, to consider how these interpret their own religious experience. Contemporary

psychological, philosophical, and phenomenological views of mystical experience. — Instructor to be announced.  
*One course credit.*  
*Tu Th 2:40-3:55.*

**V 3408y. Catholic Theology since Vatican II.** Development of Catholic theology after Vatican II, in its historical context; Rahner, Kung, Metz, Lonergan, Teilhard, Panikkar, liberation theology; the Church and the world, infallibility, theological method, political theology, hope and the future, Christian ecumenism and world religions. — E. Cousins.  
*Offered in alternate years. Offered in 1981-1982.*  
*One course credit.*

**V 3409x. Luther and the Radical Reformation: Piety and Politics.** Religious uniformity and diversity within the Protestant Reformation of the sixteenth century; major radical reformers and divinity of Jesus, place of violence in reform, relation between social and religious reform. Source materials consist of debates, letters, journals, and theological tracts. — L. Spitz.  
*One course credit.*  
*Tu Th 4:10-5:25.*

**V 3410x. History of Religious Thought in the West. Jesus: Early Controversies, Recent Interpretations.** Selected sources: New Testament, apocryphal, gnostic gospels; early classics of interpretation by Tertullian, Clement, Athanasius, Augustine, Anselm; investigation of contemporary views: historical, psychological, political, religious. — E. Pagels.  
*Prerequisite: Course V 3202 or the equivalent.*  
*Not offered in 1980-1981.*  
*One course credit.*

**G 4420y. Varieties of Early Christianity.** E. Pagels.  
*One course credit.*  
*Th 4:10-6:00.*

## Islam

**V 3635y. History of Sufism.** History of the Islamic mystical tradition from its origins in the eighth century, through its classical and institutional phases in the twelfth century and following, concluding with an evaluation of the role of Sufism in the modern Islamic world. — P. Awn.  
*One course credit.*  
*M W 11:00-12:15.*

# Religion

## **G 4610y. Islamic Religion.**

Survey of Islamic institutions in the formative and classical periods: revelation, prophecy, law, philosophy, theology, spirituality, community, religion and politics, etc. — P. Awn.

*A general knowledge of one other Western religion is recommended as well as familiarity with basic methodology in the study of religion.*

*One course credit.*

*W 2:10-4:00.*

## **Islamic-Religion W 4101. Mysticism in Islam.**

## **Islamic W 4452. Islamic Law.**

## **Islamic W 4500. Major Themes in the Qur'an.**

## **Philosophy G 4180. Medieval Islamic and Jewish Philosophy.**

## **Religion, Culture, and Society**

### **V 3500x. Studies in Religion and Culture: 16th and 17th Centuries.**

Relation between religion and culture in Europe at the beginning of the modern period. Religious thought of Northern Renaissance, Reformation, Counter-Reformation and the changing views of man, God, and the world in the 17th century. Erasmus, Luther, Calvin, Paracelsus, Loyola, Galileo, Descartes, Spinoza, and Payle. — L. Spitz.

*One course credit.*

*Tu Th 2:40-3:55.*

### **V 3501x. Studies in Religion and Culture: 18th and 19th Centuries.**

Relation between religion and culture; theories of religious development (personal, social, cultural). Hume, Edwards, Lessing, Rousseau, Kant, Hegel, Schleiermacher, Coleridge, Bushnell, Emerson, and others. — W. Proudfoot.

*Offered in alternate years. Offered in 1981-1982.*

*One course credit.*

### **Religion-Sociology W 3503x. The History of Religion in America.**

Religious thought and institutions from colonial times to the present; influence on American political and social history through the work of representative individuals. — G. Lindt.

*Offered in alternate years. Offered in 1980-1981.*

*One course credit.*

### **V 3511x. The Grammar of Religion.**

Systematic review of how common human concerns are treated in the leading religions of the East and West and in primitive cults: Gods and demons, holy and sacred, taboo, revelation and prophecy, authority and scripture, ecstasy, kingship and priesthood, cult and worship, rite and

prayer, sacrifice, life and death, seasonal ceremonies, magic and divination, myth, cosmogony, eschatology, heaven and hell, community and individual. — T. Gaster.

*Not offered in 1980-1981.*

*One course credit.*

### **V 3513y. Philosophy of Religion.**

Introduction to classical and contemporary issues, including those raised by the comparative study of religion. — W. Proudfoot.

*Not offered regularly. Not offered in 1980-1981.*

*One course credit.*

### **V 3700y. Women and Religion.**

Images and roles of women in Jewish and Christian traditions: modern forms of women's spiritual quest.

*One course credit.*

*Hours to be arranged.*

### **V 3702x. Religious Ethics: War and Peace in Jewish and Christian Thought.**

Jewish and Christian attitudes toward war and peace; survey of classical traditions (holy war, pacifism, just war); newer elements in the discussion: utopianism, revolutionary violence, and militant nonviolence. — P. Valliere.

*One course credit.*

*M W 2:40-3:55.*

### **V 3704y. Religion and the State.**

"Civil religion" from Hobbes to Rousseau. The idea of civil religion as it emerged in the late seventeenth and eighteenth centuries.

*Not offered regularly. Not offered in 1980-1981.*

*One course credit.*

### **V 3708y. Communes Past and Present: The Pursuit of Utopia.**

Comparative analysis of selected religious and secular forms of communitarianism in the western world with particular reference to their experiments in restructuring traditional economic, familial, religious, and political values and relationships. — G. Lindt.

*Not offered regularly. Not offered in 1980-1981.*

*One course credit.*

### **V 3710x. The World of Folklore and Magic.**

Comparative investigation of folklore and folk-custom, emphasis on European and American, with reference to Asian, African, and other sources, ancient and modern. Topics include: the life cycle (birth, betrothal, marriage, divorce, death); magic, healing, and superstition; folktale, drama, folksong, folklore today. — T. Gaster.

*One course credit.*

*Th 4:10-6:00 plus hour to be arranged.*



## **V 3720y. Sociology of Religion.**

Introduction to the field; its classic texts, its major areas of research, its methodological tools and dilemmas, and its relationship both to other sub-disciplines of sociology and to other approaches to religion. Interplay between theoretical works and ongoing empirical research. — A. Eisen.

*Offered in alternate years. Offered in 1981-1982.  
One course credit.*

## **V 3725y. The World of Myth.**

Nature of myth; investigation of representative myths, both Eastern and Western; science of mythology; myth today. — T. Gaster.

*One course credit.*

*Th 4:10-6:00, plus hour to be arranged.*

## **V 3730x. Religious Conversion.**

Conversion experiences of figures in the Christian tradition: Paul, Augustine, Francis of Assisi, Martin Luther and Jonathan Edwards. — M. Harran.

*Not offered in 1980-1981.*

*One course credit.*

## **G 4073x. Philosophy of Religion in America.**

Contributions of major American philosophers to the philosophy of religion. Representatives of idealism, pragmatism, naturalism, and process philosophy. — W. Proudfoot.

*One course credit.*

*M 11:00-12:50.*

## **G 4451x. Humanism and Religion.**

Recent religious and non-religious developments in the understanding of humanism; role of concepts of evolution and eschatology in contemporary discussion. — J. Martin.

*Offered in alternate years. Offered in 1980-1981.*

*One course credit.*

*W 11:00-12:50.*

## **Religion-Sociology G 4700y. Sociology of Religion.**

Introduction to the nature and development of the sociology of religion in the nineteenth and twentieth centuries; strategic developments in theory and methodology, with particular reference to the role of religion in culture, personality, and social structure. — G. Lindt.

*Not offered regularly. Not offered in 1980-1981.*

*One course credit.*

## **Religion-Sociology G 4701x. Sociology of Religion: Comparative Institutions.**

Types and patterns of differentiation of religious organizations; institutional interrelationships between religion and family, economy, polity, and science. — G. Lindt.

*Not offered regularly. Not offered in 1980-1981.*

*One course credit.*

## **G 4705y. Social Theory and Religion: The Classics.**

Critical survey and exposition of major sociological, psychological, and anthropological theories of man, religion, and society: 19th and early 20th centuries. — G. Lindt.

*One course credit.*

*Tu 9:00-10:50.*

## **G 4708x. Social Theory and Religion: Contemporary Studies.**

Selected contemporary sociological, psychological, and anthropological theories of man, religion, and society. Parsons, Bellah, Berger, Luckmann, Geertz, Swanson, Levi-Strauss, Fromm, and Erikson. — G. Lindt.

*Not offered regularly. Not offered in 1980-1981.*

*One course credit.*

## **W 4715x. Religion and Social Change: The Debate over Secularization.**

Major terms, theories, and empirical studies in the literature of secularization. Role of paradigms and ideological factors in sociological controversy. — G. Lindt.

*Not offered regularly. Not offered in 1980-1981.*

*One course credit.*

## **G 4716y. Religious Protest Movements.**

### **Anthropology V 3042x. The Anthropology of Religion.**

Ideological systems of simple or preindustrial cultures; relations between religion and other aspects of culture.

*Offered in alternate years. Offered in 1981-1982.*

*One course credit.*

### **Anthropology G 4114y. Religion in Anthropological Perspective.**

### **Philosophy G 4175x. Ethical and Political Theories in Medieval Philosophy.**

### **SEMINARS AND READING COURSES**

Students who are not religion majors must obtain permission of the instructor.

### **V 3800x. Majors' Colloquium.**

Critical discussion of works on the theory of religion. — W. Proudfoot and J. Brereton.

*Recommended for all senior majors.*

*One course credit.*

*W 4:10-6:00.*

### **V 3803x. Seminars in Religious Thought.**

#### **I. Maimonides and Halevi.**

Investigation of major sources of medieval Jewish thought. — H. Fradkin.

*One course credit.*

*M 4:10-6:00.*

# Religion

## **V 3804y. Seminars in Religious Thought.**

### **I. God and Goddess in the Indian Tradition.**

Images, conceptions, and worship of Shiva and Shakti and comparable representations of divinity as male and female. Expression of the natures of Shiva and Shakti in myth, art, poetry, ritual, and doctrine; comparisons to male and female imagery in other Hindu traditions, Buddhism, early Christianity, and Mesoamerican Indian religion. — J. Brereton.

*Course V 2600 recommended.*

*One course credit.*

*Tu 2:10-4:00.*

### **II. Prophecy in Judaism and Islam.**

Comparative investigation of the phenomenon of prophecy and its interpretation in Judaism and Islam. Materials for this inquiry will be drawn from the classical presentations of prophecy and from the tradition of its interpretation from antiquity to the present. — H. Fradkin.

*Course V 3201 recommended.*

*One course credit.*

*Tu 4:10-6:00.*

## **Psychology-Religion V 3900y. Seminar in the Psychology of Religion.**

### **Religion V 3901x, V3901y. Guided Reading and Research.**

A program of study designed to give outstanding majors an opportunity to pursue independently a subject of their choosing. A written essay is required of students taking this program. — Staff.

*One course credit.*

*Consultation periods to be arranged with adviser.*

## **GRADUATE COURSES**

Other courses of possible interest to students, which are open to qualified undergraduates with the instructor's permission, are described in the bulletin of the Graduate School of Arts and Sciences.



# Russian

Office: 226 Milbank Hall

Telephone: 280-5417

### Professors

Richard F. Gustafson,<sup>1</sup> Marina Ledkovsky (Acting Chairman)

### Associates

Anatol K. Sapronow, Marianna Sapronow, Zoya Trifunovich

Other officers of the University offering courses in Russian:

### Professors

Robert L. Belknap, William E. Harkins, Robert A. Maguire, John Malmstad

### Visiting Assistant Professor

Robin F. Miller

### Lecturers

Irene Balaksha, Rima Shore

### Associates

Lubov Afanasenko, Inna Konon

<sup>1</sup>Absent on leave, 1980-1981

The Russian Department at Barnard offers a program designed to help the student obtain reasonable fluency in the spoken and written language, a reading command of Russian adequate for interpreting texts of some difficulty, and a general knowledge of Russian literature and culture, especially of the nineteenth and twentieth centuries. The department insists upon a strong foundation in the language, because this best prepares students for future graduate study in literature, history, economics, or political science, as well as for careers in government, business, journalism, or international law.

Foreign Language Requirement for the Degree: All students must take a placement examination before entrance. This examination tests the student's knowledge of grammar, her comprehension of written and spoken Russian, and her ability in free composition. Students receiving a sufficiently high grade will automatically fulfill the requirement. All others must complete Russian V 1202, *Intermediate Course*, or any course beyond that level. Students whose native language is Russian should consult with the department chairman.

The Russian Club attends Russian movies, operas, and church services, and visits Russian restaurants and areas of the city where Russian is spoken.

## REQUIREMENTS FOR THE MAJOR

Students must have completed two years of college Russian before entering the program. Prospective majors or minors should consult with either Professor Gustafson or Professor Ledkovsky as early as possible.

A total of 10 courses are required for the major:

|                       |   |
|-----------------------|---|
| Russian V 3333-V 3334 | <i>Introduction to Russian Literature</i> |
| Russian V 1220        | <i>Nineteenth-Century Russian Prose</i>   |
| Russian V 1221        | <i>Twentieth-Century Russian Prose</i>    |
| Russian V 3595        | <i>Seminar</i>                            |

At least two courses from:

|                        |   |
|------------------------|---|
| Russian V 3441, V 3442 | <i>Russian Conversation and Composition</i> |
| Russian V 3443, V 3444 | <i>Russian: Syntax and Style</i>            |

# Russian

And at least three more courses, including at least *one* course from the following:

|                |  |
|----------------|--|
| Russian V 3461 | <i>Pushkin</i>                                       |
| Russian V 3462 | <i>Gogol</i>   |
| Russian V 3463 | <i>Tolstoy</i>                                       |
| Russian V 3464 | <i>Dostoevsky</i>                                    |
| Russian V 3465 | <i>Russian Poetry in the 19th and 20th Centuries</i> |
| Russian V 3467 | <i>Twentieth Century Prose Writers</i>               |

Independent study with any of the faculty at Barnard and the Department of Slavic Languages and Literatures at Columbia University can be arranged and study in the Soviet Union is possible as part of the major.

## REQUIREMENTS FOR THE MINOR

A total of five courses beyond the second year of Russian are required for the minor, including either V 3331, V 3332, *Advanced Course*, or V 3333, V 3334, *Introduction to Russian Literature*.

## COURSES OF INSTRUCTION

### LANGUAGE COURSES

#### **V 1101x-V 1102y. Elementary Course.**

Grammar, reading, composition; oral practice in small groups.

*Work in the language laboratory and oral practice are required.*

*One course credit.*

Section I M W F 10:00. L. Afanassenko.

Section II M W F 12:00. I. Konon.

Section III M W F 1:10. I. Balaksha.

*Oral Practice*

Section I M W F 9:00.

Section II M W F 11:00.

Section III M W F 1:10.

Section IV M W F 2:10.

Section V Tu Th F 10:00.

#### **V 1201x-V 1202y. Intermediate Course.**

Reading, composition, grammar, review; oral practice in small groups.

*Prerequisite: Course V 1102 or the equivalent.*

*Work in the language laboratory and oral practice are required.*

*One course credit.*

Section I M W F 9:00. Z. Trifunovich.

Section II M W F 10:00. I. Balaksha.

Section III M W F 12:00. I. Balaksha.

*Oral Practice*

Section I M W 10:00.

Section II M W 11:00.

Section III Tu Th 9:00.

Section IV Tu Th 10:00.

Section V Tu Th 11:00.

Section VI Tu Th 12:00.

#### **V 3331x, V 3332y. Advanced Course.**

Emphasis on conversation and composition; reading and discussion of selected twentieth-century texts; lectures, papers, and oral reports. Conducted entirely in Russian. — Z. Trifunovich and M. Sapronow.

*Prerequisite: Course V 1202 or the equivalent.*

*Oral practice is required.*

*One course credit.*

M W F 1:10.

*Oral practice*

Section I M W 12:00.

Section II M W 3:10.

#### **V 3441x, V 3442y. Russian Conversation and Composition.**

Selected twentieth-century texts including fiction and non-fiction provide a context for discussion of contemporary issues; lectures, reports, and compositions. Conducted entirely in Russian. — M. Ledkovsky.

*Prerequisite: Three years of college Russian or permission of the instructor.*

*The second term may be taken without the first.*

*One course credit.*

M W F 12:00.

#### **V 3443x, V 3444y. Russian Syntax and Style.**

Autumn Term: Systematic study of problems in Russian syntax; written exercises; translations into Russian, and compositions. Spring Term: Discussion of styles and levels of language, including word usage and idiomatic expressions; written exercises, analysis of texts, and compositions. Conducted entirely in Russian. — Z. Trifunovich.

*Prerequisite: Three years of college Russian or permission of the instructor.*

*The second term may be taken without the first.*

*One course credit.*

M W F 10:00.



## LITERATURE COURSES

### **V 3333x, V 3334y. Introduction to Russian Literature.**

Emphasis on reading and literary analysis; representative works of Russian literature from Pushkin to the modern period. Conducted mainly in Russian; examinations in English. — R. Maguire and A. Sapronow.

*Prerequisite:* A grade of B– or better in Course V 1202 or permission of the instructor.

*Oral practice is required.*

*One course credit.*

*M W F 10:00.*

*Oral practice*

*Section I M W 2:10.*

*Section II Tu Th 1:10.*

*Section III Tu Th 2:10.*

### **V 3461x. Pushkin.**

Pushkin's narrative, dramatic, and lyrical verse in the original. Conducted mainly in Russian; examinations in English. — M. Ledkovsky.

*Prerequisite:* Three years of Russian or permission of the instructor.

*Offered in alternate years. Offered in 1981-1982.*

*One course credit.*

### **V 3462y. Gogol.**

The major works of Gogol, in the original. — J. Malmstad.

*Prerequisite:* Three years of Russian or permission of the instructor.

*Not offered regularly. Not offered in 1980-1981.*

*One course credit.*

### **V 3463x. Tolstoy.**

*Anna Karenina*, in the original, with emphasis on linguistic and literary analysis. Conducted mainly in Russian. — M. Ledkovsky.

*Prerequisite:* Three years of Russian or permission of the instructor.

*Offered in alternate years. Offered in 1981-1982.*

*One course credit.*

### **V 3464x. Dostoevsky.**

One major novel, in the original, with emphasis on linguistic and literary analysis. — M. Ledkovsky.

*Prerequisite:* Three years of Russian or permission of the instructor.

*Offered in alternate years. Offered in 1980-1981.*

*One course credit.*

*M W F 1:00.*

### **V 3465y. Russian Poetry in the Nineteenth and Twentieth Centuries.**

Selected texts from representative lyric poets, including Tiutchev, Fet, Blok, and others; metrics, formal analysis of style and structure, and relationships to literary and philosophical movements. — M. Ledovsky.

*Prerequisite:* Three years of Russian or permission of the instructor.

*Not offered regularly. Not offered in 1980-1981.*

*One course credit.*

### **V 3467y. Twentieth-Century Prose Writers.**

Two or three of the most important twentieth-century writers, in the original. — R. Maguire.

*Prerequisite:* Three years of Russian or permission of the instructor.

*Not offered regularly. Offered in 1980-1981.*

*One course credit.*

*W F 1:10-2:25.*

### **V 3595x. Seminar.**

Supervised individual research on some aspect of the seminar topic with class reports culminating in a critical paper. — M. Ledkovsky.

*Topic for 1980-1981: the growth of Russian national self-awareness.*

*Prerequisite:* Major status or permission of the instructor.

*One course credit.*

*W 2:10-4:00.*

### **V 3596y. Individual Research.**

Supervised individual research culminating in a critical paper. — Staff.

*Open to senior majors, and permission of the instructor is required.*

*One course credit.*

*Hours to be arranged.*

## RUSSIAN LITERATURE IN TRANSLATION

### **V 1220x. Nineteenth-Century Russian Prose.**

Development of prose forms from Sentimentalism to Impressionism, with special attention to Gogol, Turgenev, and Chekhov. Tolstoy and Dostoevsky not included. — R. Shore.

*A knowledge of Russian is not required.*

*One course credit.*

*M W F 11:00.*

### **V 1221y. Twentieth-Century Russian Prose.**

Course of Russian prose fiction from symbolism to the present; Bely's *Petersburg*, Sologub's *Petty Demon*, Babel's *Red Cavalry*, Olesha's *Envy*, and representative major works by Bunin, Pasternak, and Nabokov. Recent "dissident" writers such as Solzhenitsyn. — R. Shore.

*A knowledge of Russian is not required.*

*One course credit.*

*M W F 11:00.*

### **V 1222y. Tolstoy and Dostoevsky.**

Major works of the two writers. — R. Miller.

*A knowledge of Russian is not required.*

*One course credit.*

*Tu Th 11:00-12:15.*

# Russian

## **V 1224y. Introduction to Russian Culture.**

Principal currents of Russian thought and artistic expression with emphasis on elements that appear to be characteristically Russian; supplemented with films and art slides. — W. Harkins.

*A knowledge of Russian is not required.*

*One course credit.*

*Tu Th 1:10-2:25.*

## **G 4006y. Nineteenth- and Twentieth-Century Russian Thought.**

Concepts of God, man, nature, and history: Chaadayev, Khomyakov, Herzen, Bakunin, Solovyov, Fyodorov, Berdyaev, Shestov, Lossky, Frank and others. — R. Gustafson.

*A knowledge of Russian is not required.*

*Offered in alternate years. Offered in 1981-1982.*

*One course credit.*



# Sociology

Office: 410 E Milbank Hall

Telephone: 280-5417

## Professors

Bernard Barber (Chairman), Mirra Komarovsky<sup>1</sup>

## Assistant Professor

Viviana Zelizer<sup>2</sup>

## Lecturers

Jean Bandler, Nathalie Friedman, Theresa Rogers

Other officers of the University offering courses listed below:

## Professors

Allen Barton, Jonathan Cole, Sigmund Diamond, Eugene Litwak, Herbert Passin, Seymour Spilerman, Harriet Zuckerman<sup>2</sup>

## Assistant Professors

Mark Baldassare, Andrew Beveridge, Wesley A. Fisher, Steve Messner, James L.P. Thompson

<sup>1</sup>Emeritus and Special Lecturer

<sup>2</sup>Absent on Leave, 1980-1981

Sociology introduces students to the scientific study of society. The basic problems common to all human societies and the varied institutional solutions to these problems make up one large area of sociological interest; hence the sociological study of the family, social class, economic and political institutions, education, science, etc. The impact on individual behavior of ethnic, racial, religious, and sexual categorizations, rural and urban differences, bureaucratic organizations and small groups, and the mass media are also of sociological interest. So is the relationship between social structure, culture, and personality. Sociology is concerned not only with the normal functioning of social institutions but also with social change and with social problems such as deviance and crime, industrial conflict, and other areas of social disorganization. In studying these subjects, materials about American society are given primary emphasis. Comparative materials from other societies, preliterate and more highly developed, are also extensively used. Finally, sociology seeks to acquaint students with its methods of investigation, from which students learn important facts about scientific method in general.

There are no special admissions requirements or procedures. Students (majors and non-majors) are encouraged to consult with members of the department regarding their choice and sequence of courses. Combined and double majors may be arranged. In addition, the Columbia department offers a wide variety of sociology courses which are open to interested Barnard students.

## REQUIREMENTS FOR THE MAJOR

The major prepares students for graduate work in sociology as well as in other disciplines: for professional schools (law, business, social work, journalism, urban planning), and for all occupations requiring general knowledge of society and social interaction as well as basic skills of social research.

A minimum of eight courses is required for the major, including

|                          |   |
|--------------------------|---|
| Sociology 1, 2           | <i>Introduction to Sociology</i>  |
| Sociology V 3100         | <i>Introduction to Social Theory</i>  |
| Sociology V 3211, V 3212 | <i>Methods of Social Research I and II</i><br>(no later than the junior year) |
| Sociology 87-88          | <i>Individual Projects for Seniors</i>  |

and other courses selected in consultation with the major adviser.

# Sociology

There is no major examination. To graduate a student must complete, to the satisfaction of her instructor in Sociology 87-88, a long paper involving some form of sociological research and analysis.

## REQUIREMENTS FOR THE MINOR

Five courses are required for the minor in Sociology, including Sociology 1, 2, and three courses to be selected in consultation with the Sociology adviser.

## COURSES OF INSTRUCTION

### 1x. Introductory Sociology, I.

Introduction to the sociological perspective on human behavior: major theoretical orientations, research methods, and policy uses. Application of basic sociological concepts to the study of love and death. Process of social learning in childhood and adulthood; sex role differences; agents of socialization — family, education, mass media, workplace. — V. Zelizer.

*One course credit.*

*M W 2:40-3:55.*

### 2y. Introductory Sociology, II.

General introduction to sociological analysis continued. Impact of small groups and formal organizations on individual behavior, selected problems of social deviance and social control, stratification, and social change. — V. Zelizer.

*Prerequisite: Course 1 or permission of the instructor.*

*One course credit.*

*M W 2:40-3:55.*

### 22y. Introduction to Social Work.

Structure and functions of social welfare in the U.S., and the profession of social work and the several fields and domains in which it works. Social and behavioral sciences related to current events and developments. — J. Bandler.

*One course credit.*

*M W 1:10-2:25.*

### V 3100y. Introduction to Social Theory.

Introduction to theories used in the study of complex societies and social change, including those of Marx, Durkheim, Weber; contemporary functional, conflict, interaction, and exchange theories. — W. Fisher.

*Prerequisite: One course in sociology preferred.*

*One course credit.*

*Tu Th 2:40-3:55.*

### V 1206x. Equality and Inequality in Western Societies.

Theoretical and empirical analysis of problems of inequality, justice, and discrimination in Western societies. Influence of ascribed statuses on life-chances of individuals; fairness of social institutions in rewarding talent. Historical, sociological, and philosophical literature. Central

themes in stratification theory, from nineteenth century biologicistic views through Marxian formulations to contemporary functional analysis. — S. Messner.

*One course credit.*

*Tu Th 2:40-3:55.*

### V 3211x. Methods of Social Research, I.

Theories and their functions in inquiry; sociological concepts, their definition and measurement; criteria for evaluation claims to knowledge of social phenomena; problem with common sense explanations; concepts of causality in the social and physical sciences; nature of evidence and inference; conduct of inquiry; conceptualization and the formulation of hypotheses; observational procedures and problems of causal inference; analysis of quantitative and qualitative data. — S. Messner.

*One course credit.*

*Tu Th 10:35-11:50.*

### V 3212y. Methods of Social Research, II.

Introduction to elementary data analysis; definition and measurement of variables; testing hypotheses; interpretation of findings. Students use the computer to perform a simple analysis of a data set. — J.L.P. Thompson.

*Prerequisite: Sociology V 3211.*

*One course credit.*

*M W 2:40-3:55.*

*One hour laboratory per week.*

### V 3209y. Social Class and Social Mobility.

Meaning of social class and social mobility in different cultural and institutional contexts; impact of economic institutions on stratification and mobility; historical forces which have shaped the present situation in Western Europe, America, and the socialist states; class structure and mobility in future societies. — P. Read.

*One course credit.*

*M W 4:10-5:25.*

### V 3215y. American Society and Politics.

Development of political behavior in the United States in relation to social change, using historical data on voting and elites with survey data for the last forty years; bases of cleavage in mass and



elite political behavior (class, ethnicity, region, etc.); role of social movements and third parties; reasons for failure of socialist and fascist movements in comparison with European experience; current trends in ideology and political behavior. — A. Barton.

*Permission of the instructor required.*

*One course credit.*

*Tu Th 4:10-5:25.*

## **V 3225x. Sociology of Education.**

Social organization of education in the United States, with emphasis upon primary and secondary schools: school as a complex organization; classroom as a learning environment; social factors in academic aspirations and achievement; selected innovations in educational practices; and problems in relations between the school and the community. — N. Friedman.

*One course credit.*

*Tu Th 2:40-3:55.*

## **V 3228y. Sociology of Medicine.**

Health, illness, and the organization and delivery of health care; selected social policy issues. Differential distribution and utilization of medical services; social organization of the medical professions; doctor-patient relationship; social factors in the etiology and distribution of illness. — T. Rogers.

*One course credit.*

*M W 2:10-3:25.*

## **V 3303y. Female and Male: A Sociological Perspective.**

Economic, demographic, and cultural changes modifying the traditional conceptions of masculinity and femininity; stresses in female-male relationships at various stages of the life cycle and in the family, occupational world, and other institutional settings; class and race differences in social roles of the sexes; social policies leading to the alleviation of current problems. — M. Komarovsky.

*Enrollment limited to 35-40 students. Sign-up sheet, 317 Milbank Hall.*

*One course credit.*

*M W 12:30-1:45, plus individual consultation with the instructor.*

## **W 3324x. Urban Sociology.**

Theories and empirical analyses of urban social structures and social processes in industrialized and agrarian regions. Urban life and culture in New York City. — M. Baldassare.

*Field work required.*

*One course credit.*

*Tu Th 2:40-3:55.*

## **W 3443x. Sociology of Business and Economic Life.**

Advanced technology and modern industrial org-

anization as they affect social structure and quality of life in wealthier and third world societies; impact on other social features of business and trade; private ownership and public control; patterns of consumption and income; concentration and transmission of wealth. Materials drawn from sociological, economic, anthropological, and historical sources; implications for a current social issue as expressed in the literature of social criticism. — A. Beveridge.

*One course credit.*

*M W 2:40-3:55.*

## **W 4034x. Sociology of Science.**

Science as a social and cognitive system; growth of scientific knowledge; conflict among scientists; the hierarchy of the sciences: truth or fiction? Problems of deviance, resistance, inequality, discrimination, and justice in science; the concept of genius; science and social policy. — H. Zuckerman.

*Not offered 1980-1981.*

*One course credit.*

## **W 3620x. The Sociology of Law and Legal Systems.**

Social forces and traditions that help shape the law. Historical and current uses and abuses of social science evidence and methods in legal cases; emphasis on landmark constitutional decisions, particularly those dealing with sex-based and race-based discrimination; related developments under statutory schemes such as Title VII of the Civil Rights Act; comparisons of the logic of proof and the problems of inference in social sciences and law; theoretical issues of equity, fairness, deterrence linked to empirical evidence. — J. Cole.

*One course credit.*

*Tu Th 10:35-11:50.*

## **V 3555y. Sociology of Family Institutions.**

Cross-national and historical perspectives on the nature of family systems. Family in relation to other institutions, in particular economic, political and class systems; the family and social change. — W. Fisher.

*One course credit.*

*Tu Th 10:35-11:50.*

## **W 3666y. Political Sociology.**

Basic theoretical and empirical approaches to the sociological study of Western politics. Social foundations of politics; ideology and opinion; social bases of regimes; class politics; mass participation and voting; movements and revolution; state and society. — Instructor to be announced. *Some background in sociology, American or European history, or political science theory recommended. Not open to freshmen.*

*Not offered in 1980-1981.*

*One course credit.*

# Sociology

## **V 3994x-V 3995y. New York Area Undergraduate Research Program.**

An ongoing program that develops a social research project from conceptualization to final report. Using New York City as a research laboratory, each year a different topic is chosen for study. Under the guidance of the faculty coordinator, students clarify basic theoretical issues related to the research problem; operationalize a series of empirical questions; collect evidence to test hypotheses; analyze the data using a variety of social science techniques; produce reports of basic findings. Students individually and in small groups learn many of the basic tools used by social scientists. — A. Beveridge.

*Topic for 1980-1981: Real Estate Crisis in New York City.*

*Enrollment limited to 15 seniors majoring in sociology or another social science.*

*Permission of the instructor required.*

*Field work required.*

*One course credit.*

*W 4:10-6:00.*

## **W 4010x. The State Socialist Societies of the U.S.S.R. and Eastern Europe.**

Marxist and non-Marxist theories concerning the societies of the U.S.S.R. and Eastern Europe. Class structure and stratification, position of nationalities and religious groups, work and leisure, family systems, social controls and propagation of social values, alienation, and authenticity; social psychology of the individual citizen. — W. Fisher.

*One course credit.*

*Th 2:10-4:00.*

## **V 3265y. Minorities and Ethnic Groups in American Life.**

Role of racial and ethnic communities in modern American society, with emphasis on the distinctive cultural, political, and occupational patterns, as well as their tendencies to intermarry, assimilate, and conflict. Groups such as the Jewish, Italian, Irish, Puerto Rican, and Blacks will be studied. — E. Litwak.

*One course credit.*

*Tu Th 2:40-3:55.*

## **W 1221y. Social Disorganization, Crime, and Deviance.**

Major theoretical approaches to crime and deviance and an analysis of major research studies. — S. Messner.

*One course credit.*

*Tu Th 2:40-3:55.*

## **W 3101x. Contemporary Social Theory.**

Selected works of contemporary sociological theorists. Monographs by Parsons, Merton, Homans, and other social theorists. — Instructor to be announced.

*Not offered in 1980-1981.*

*One course credit.*

## **W 3210y. Comparative Sociology of Race and Ethnicity.**

Theories of racial and ethnic structures. Polarization or deescalation of conflict in divided societies. Obstacles to and consequences of social mobility. Ideology and consciousness. — J.L.P. Thompson.

*One course credit.*

*M W 6:10-7:25 p.m.*

## **V 3222y. Social Change: Development and Modernization.**

Interpretive approaches to large-scale social change; Western experience compared with empirical and descriptive studies of the Third World, especially the Middle East and North Africa. — A. Beveridge.

*One course credit.*

*M W 2:40-3:55.*

## **W 3240x. Introduction to Japanese Society.**

Japanese society and culture: background, development, and present status. Transformation of a non-Western, nonindustrialized society into an advanced modern industrial society. — H. Passin.

*One course credit.*

*Tu Th 1:10-2:25.*

## **V 3326y. Personality, Culture, and Social Structure.**

Limits of individual freedom and impact of norms, values, and social structure. Perspectives of major contemporary sociological orientations, as well as comparative and historical studies. Process of socialization and impact of culture and social structure on sex roles, professions, poverty and deviance; recent biological theories. — E. Zerubavel.

*One course credit.*

*Tu Th 4:10-5:25.*

## **W 3680y. Sociology of Work and Occupation.**

Occupational structure of Western societies. Problems of mobility, alienation, reward, and occupational satisfaction through reference to theoretical and empirical works. Worker alienation in contemporary American society. — Instructor to be announced.

*One course credit.*

*M W 11:00-12:15.*

## **W 3925x. Analysis of Planned Action.**

Planned social action to attain objectives; circumstances that prevent attainment of objectives or require alteration of plan. Cases drawn from Utopian communities, foundation of colonies, national revival movements, and post-revolutionary societies. — S. Diamond.

*One course credit.*

*W 2:10-4:00.*



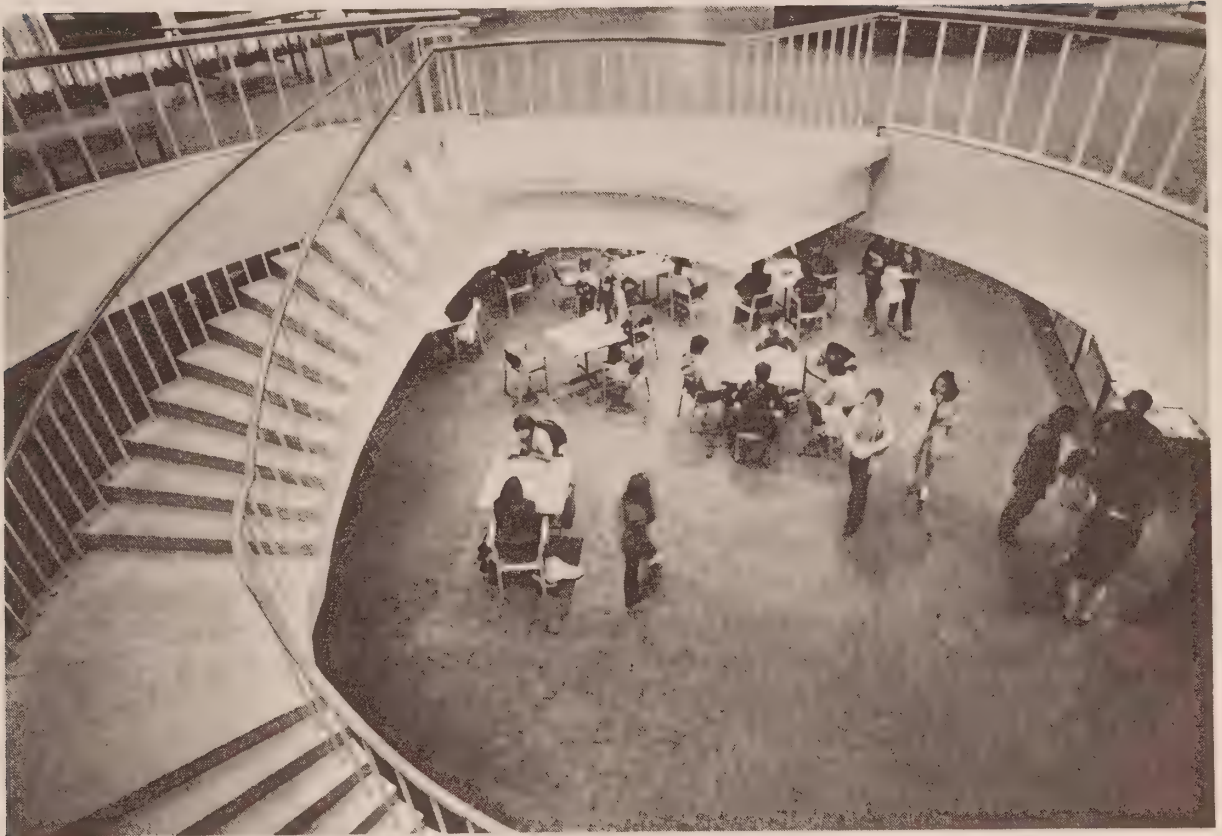
**87x-88y. Individual Projects for Seniors.**

The instructor will supervise the writing of long papers involving some form of sociological research and analysis. — Staff.

*Open to senior majors. Permission of the instructor required.*

*One course credit.*

*W 4:10-6:00.*



# Spanish

Office: 208 Milbank Hall

Telephone: 280-2061, 5422

## Professors

Mirella Servodidio (Chairman), Margarita Ucelay

## Associate Professors

Marcelo Coddou, Marcia Welles

## Assistant Professors

Helene Farber de Aguilar, James Crapotta, Enrique Giordano<sup>1</sup>

## Associate

Vilma Bornemann

## Instructors

Perla Rosencvaig<sup>2</sup>, Flora Schiminovich

## Visiting Lecturer

Carmen Martin Gaite

Other officers of the University offering courses listed below:

## Professors

Karl-Ludwig Selig, Phillip W. Silver

## Assistant Professor

Norman Holland

<sup>1</sup>Absent on leave, Autumn Term

<sup>2</sup>Absent on leave, 1980-1981.

A major in Spanish is designed to enable the student to acquire ease and fluency in the written and spoken language, and to develop an understanding and appreciation of the cultural traditions and literature of Spain and Latin America.

Foreign Language Requirement for the Degree: Freshmen who have had prior training in Spanish and who wish to satisfy the foreign language requirement in Spanish will be placed in the appropriate language courses on the basis of their CEEB scores, or, if such are not available, on the basis of proficiency test taken before registration. Students having a sufficiently high score will automatically fulfill the requirement. All others may do so by completing course 4 with the exception of students of Spanish-American background who must fulfill the requirement with Spanish 6 instead of Spanish 4. Transfer students should consult the department chairman.

Active student-faculty cooperation and exchange are encouraged through the Spanish Club, which sponsors discussion sessions, film series, and lectures by professors and visiting scholars on topics of current interest. Student participation is essential to the faculty's yearly presentation of a classic or contemporary drama to the academic as well as general New York Hispanic Communities. The rich cultural resources of the city are utilized at all levels of instruction as a natural extension of the academic process outside of the classroom.

## REQUIREMENTS FOR THE MAJOR

Students interested in the major are urged to consult with the department as early as possible in order to arrange a program best suited to their particular concerns in close cooperation with an adviser. Guidance and program coordination are also offered to Foreign Area Studies majors in the subdivisions of Latin America and Spain. Study abroad (Spain or Latin America) is actively encouraged and supported by departmental scholarship funds available to majors.



The ten following courses are required for the major; a sequential order is strongly recommended:

|                |  |
|----------------|--|
| Spanish 13     | <i>The Culture of Spain</i>  |
| Spanish 15     | <i>Spanish-American Culture</i>                                    |
| Spanish 17     | <i>Spanish Literature in the Middle Ages and Early Renaissance</i> |
| Spanish 18     | <i>Literature of the Golden Age</i>                                |
| Spanish 20     | <i>Don Quijote</i>   |
| Spanish 23     | <i>Nineteenth-Century Literature in Spain</i>                      |
| Spanish 25, 26 | <i>Contemporary Spanish Literature I and II</i>                    |
| Spanish 31, 32 | <i>The Literature of Latin America</i>                             |

A major in Spanish must broaden her study of Spanish culture by relating it to other cultures which have influenced it or been influenced by it. The following courses are recommended:

|                             |   |
|-----------------------------|---|
| Anthropology V 3209         | <i>The Archaeology of the Old World</i>   |
| Classical Literature 32     | <i>Classical Myth</i>   |
| Classical Literature V 3123 | <i>Greek Drama and Its Influence</i>  |
| Art History 75, 76          | <i>European Painting Since the Renaissance</i>                                  |
| French 21-22                | <i>Masterpieces of Literature from the Middle Ages to the Twentieth Century</i> |
| German 55-56                | <i>Major Works of German Literature and Thought</i>                             |
| History W 4779-W 4780       | <i>History of Latin American Civilization</i>                                   |
| Philosophy 1                | <i>Introduction to Philosophy</i>   |
| Religion V 1101             | <i>Introduction to the Study of Religion</i>                                    |

The major examination consists of a three-hour written examination on Spanish literature; a three-hour written examination on Hispanic civilization and Spanish-American literature, and a half-hour oral examination on literature and culture. All examinations are conducted in Spanish.

## REQUIREMENTS FOR THE MINOR

A student minoring in Spanish will be required to take Spanish 20, 31, and 32, and three more courses to be chosen from Spanish 17, 18, 23, 25, and 26.

## COURSES OF INSTRUCTION

### LANGUAGE COURSES

(Enrollment limited to 20 students per section.)

#### **V 1101x-V 1102y. Elementary Full-Year Course.**

Grammar, reading, conversation. — Staff.  
*May not be taken parallel to elementary Italian.*  
*Work in the language laboratory is required.*  
*One course credit.*

*Sections I, II M Tu W Th F 9:00.*

*Sections III, IV M Tu W Th F 10:00.*

*Sections V, VI M Tu W Th F 11:00.*

*Section VII M Tu W Th F 12:00.*

#### **Ax-By. Intensive Elementary Course.**

Intensive alternative to Spanish V 1101-V 1102 based on the Dartmouth Intensive Language model and designed to promote rapid oral fluency. Class meets ten hours per week: five

hours devoted to drill work, five hours to communicative situations. Primarily for students who need to acquire Spanish for travel or professions requiring fluency. — J. Crapotta and staff.

*One course credit.*

*M Tu W Th F 9:00 and M Tu W Th F 12:00.*

#### **2x. Intensive Review of Elementary Spanish.**

Course for incoming students whose score on the placement examination puts them between the beginning and intermediate level. Also intended for students of Spanish-American background who have some speaking knowledge of Spanish but insufficient formal training or grammatical foundation. —Staff.

*Prerequisite: Course V1101 or the equivalent.*

*Work in the language laboratory is required.*

*One course credit.*

*Sections I, II M Tu W Th 12:00.*

# Spanish

## **3x, 4y. Intermediate Course.**

Rapid review of grammar and syntax; oral practice; discussion and analysis of important works in Spanish and Spanish-American literatures. — Staff.

*Prerequisite: Course 2 or the equivalent.*

*Work in the language laboratory is required.*

*One course credit.*

*Sections I, II M W F 9:00.*

*Sections III, IV M W F 10:00.*

*Sections V, VI M W F 11:00.*

## **3y. Intermediate Course. Part I.**

Equivalent to Course 3, but given in the Spring Term. — Staff.

*Prerequisite: Course 2 or the equivalent.*

*Work in the language laboratory is required.*

*One course credit.*

*Section I M W F 9:00.*

*Section II M W F 10:00.*

## **4x. Intermediate Course. Part II.**

Equivalent to Course 4, but given in the Autumn Term. — Staff.

*Prerequisite: Course 3 or the equivalent.*

*One course credit.*

*Section I M W F 9:00.*

*Section II M W F 11:00.*

## **6y. Problems of Spanish Grammar.**

Morphology, structure, and syntax as a point of departure for questions related to New York City Spanish; i.e., why linguistic norms operate, what variants develop, to what extent New York City Spanish is peculiar and why. — E. Giordano.

*Prerequisite: Course 4 or the equivalent, or Latin-American background.*

*Recommended to students in Education, Linguistics, Urban Studies.*

*Must be used to fulfill the foreign language requirement by students of Spanish-American background.*

*One course credit.*

*M W F 11:00.*

## **7x. Advanced Composition and Translation.**

Designed to improve expository skills and to develop greater stylistic subtlety and flexibility. Translation of various styles of poetry and prose. — H. Aguilar.

*Prerequisite: Course 4 or the equivalent.*

*One course credit.*

*M W F 10:00.*

## **9x, 10y. Advanced Oral Spanish.**

Spoken Spanish, differences of pronunciation in Spain and America; conversation, oral drills, and field work. — Staff.

*Prerequisite: Course 4 or the equivalent. Permission of the instructor required.*

*Not intended for students of Spanish-American background.*

*Enrollment limited to 15 students per section.*

*One course credit.*

*Sections I, II M Tu W Th 1:00.*

## **French-Spanish 90x. Methodology of Foreign Language Teaching.**

Methods course designed to train future teachers in theories and techniques of language teaching. Teaching conversation, grammar, literature, translation and lesson organization. Students practice and demonstrate techniques. Video-taping of some sessions for auto-critique. — J. Crapotta.

*Primarily for sophomores and juniors in the Education Program and others interested in foreign language teaching.*

*Offered in alternate years. Offered in 1980-1981.*

*One course credit.*

*M 2:10-3:00, W 2:10-4:00.*

## **LITERATURE COURSES**

For non-majors, the literature courses listed in this section (except 13 and 15, 16) will count toward the distribution requirement. All Barnard courses are conducted entirely in Spanish except Course 40.

Unless otherwise stated, **the prerequisite for all literature courses is the satisfaction of the foreign language requirement in Spanish.**

## **5x. Literary Analysis of Contemporary Authors.**

Major twentieth-century works; techniques of literary analysis as they apply to different genres; theories of criticism; critical evaluation of style, structure, and content. — F. Schiminovich.

*One course credit.*

*M W F 11:00.*

## **11x, 11y. Significant Themes of Contemporary Latin American and Spanish Literature.**

Selected works of contemporary interest. Spanish 11 may be elected more than once for course credit providing sections vary.

*One course credit.*

## **11x. I. Women Writers of Spain: The Challenge of Change.**

Brief chronological survey of the main issues of debate in previous centuries; psychological and sociological aspects of the works of contemporary authors. Carmen Laforet, Ana Maria Matute, Ana Maria Moix, María Luz Melcón, Carmen Martín Gaité. — M. Welles and C. Martin Gaité.

*M W F 10:00.*

## **II. Contemporary Spanish-American Poetry: The Crisis of Identity.**

Spanish-American poets since post-modernism, concentrating on works by



writers who challenge political and social problems: Vallejo, Neruda, Nicolás Guillén, Ernesto Cardenal and more recent poets. — M. Coddou.  
*M W F 10:00.*

## 11y. I. From Dictatorship to Democracy: The Literature of Post-Franco Spain.

Effect of Spain's move towards democracy on its creative arts; narrative and the ways of the 70's. Juan and Luis Goytisolo, Juan Marsé, Juan Benet, Carmen Martín Gaité and others; readings in politics, history and popular literature. — J. Crapotta.  
*M W F 11:00.*

## II. Dream and Reality in Latin American Modernism.

Confrontation between the wonderland of fiction and Latin American reality and its importance in the current literary trends. Darío, Rodó, Larreta, Lugones, Silva and Nájera. — E. Giordano.  
*Tu Th 10:35-11:50.*

## 13x. The Culture of Spain.

History and culture of Spain; origins and evolution of Spanish character, tradition, and thought; interrelationship of its history and arts and the scope of its contribution to Western culture. Use of audio-visual materials. — M. Ucelay.  
*One course credit.*  
*Tu Th 1:10-2:25.*

## 15x, 16y. Spanish-American Culture.

Introduction to the history of Spanish-American culture from Pre-Columbian times to the present. First semester: Spanish-American history, society, and art, from the time of the great Indian empires to the late nineteenth century. Second semester: subsequent developments to the present day; contemporary revolutionary movements, mentalities, and purposes. The course is concerned with patterns of cultural identity and nationality, and involves anthropological as well as historical data. — M. Coddou.

*Both terms required of Latin American Areas majors. The first semester required of Spanish majors.*

*One course credit.*  
*Tu Th 10:35-11:50.*

## C 3333x-C 3334y. Masterpieces of Spanish Literature (In Spanish).

Survey of major works of great writers of Spain and Spanish America. — N. Holland.  
*One course credit.*  
*M W F 9:00.*

## 17x. Spanish Literature in the Middle Ages and the Early Renaissance.

Lectures and discussions in Spanish on Spanish literature from its origins to the beginnings of the sixteenth century. — M. Servodidio.  
*One course credit.*  
*M W F 10:00.*

## 18y. Literature of the Golden Age.

Poetry, theater, and narrative of the Golden Age; Garcilaso, the mystic poets, Cervantes, Lope de Vega, and Calderón. — M. Welles.  
*One course credit.*  
*M W 1:10-2:25.*

## 20y. Don Quijote.

Cervantes' masterpiece; a study of the principal critical works. — M. Ucelay.  
*Prerequisite: Course 17 or 18 or permission of the instructor.*  
*One course credit.*  
*M W F 11:00.*

## 23y. Nineteenth-Century Literature in Spain.

Romantic drama and poetry; realistic novel with special emphasis on Galdós. — M. Ucelay.  
*One course credit.*  
*Tu Th 1:10-2:25.*

## 25x. Contemporary Spanish Literature. Part I.

Characteristics, techniques, and style of writers of the generation of '98 from Unamuno to Ortega y Gasset. Baroja, Valle-Inclán, Azorín, Benavente, A. Machado, Juan Ramón Jiménez. — M. Ucelay.  
*One course credit.*  
*M W F 11:00.*

## 26y. Contemporary Spanish Literature. Part II.

Ideas, trends, and new literary concepts from García Lorca and the generation of '27 to the present-day writers. — M. Welles.  
*One course credit.*  
*M W F 9:00.*

## 31x, 32y. The Literature of Latin America.

Autumn Term: Introductory study from its indigenous origins in the Popol-Vuh, through the Colonial period to the twentieth century. Modernist poets and the literature of the Gaucho and the Indian. Spring Term: Post-Modernist poetry; Jorge Luis Borges; contemporary Latin-American novel. — 31: H. Aguilar; 32: M. Servodidio.  
*One course credit.*  
*31: M W F 9:00.*  
*32: M W F 10:00.*

# Spanish

## **33x. Senior Seminar.**

Intended to supplement or coordinate work in other courses and to introduce the student to methods of scholarly research. — Staff.

*Open only to senior majors.*

*One course credit.*

*Hours to be arranged.*

## **34y. Latin American Seminar.**

Designed for senior majors in Latin American areas to examine significant aspects of Latin American culture. Four general themes are established from which the student chooses one as a focus for research. — M. Coddou.

*Open only to senior majors in Latin American areas. Permission of the instructor required.*

*One course credit.*

*Tu 3:10-5:00.*

## **W 4236y. Contemporary Latin American Poetry (in Spanish).**

Bilingual texts may be used where available. Cesar Vallejo, Pablo Neruda, Jorge Luis Borges, Octavio Paz, and Nicanor Parra. Origins of historical, social, and vanguardist themes in their poetry. — P. Silver.

*One course credit.*

*M W 1:10-2:25.*

## **SPANISH LITERATURE IN TRANSLATION**

### **40x. A Survey of Spanish Masters.**

Character, scope and evolution of Spanish literature and its contribution to Western culture. Selected readings from the Middle Ages to the Twentieth Century: *Poem of the Cid*, *Celestina*, Cervantes, Lope, Calderón, Galdos, Unamuno, García-Lorca. — M. Servodidio.

*One course credit.*

*M W F 11:00.*

### **Comparative Literature-Spanish C 3810x. Don Quixote in Translation.**

Narrative technique and structure of the novel. Various kinds of novels and other narrative structures and models (e.g. pastoral, sentimental, picaresque, romances of chivalry, the *novella*) in their relationship to Don Quixote and the history and development of the genre. — K.-L. Selig

*One course credit.*

*Tu Th 10:35-11:50.*



# Theatre

Office: 231 Milbank Hall

Telephone: 280-2079

## Director of the Minor Latham Playhouse

Kenneth Janes (231 Milbank Hall), Professor of English

## Assistants to the Director

Luz Castaños (Associate in Theatre), June Ekman (Instructor in Theatre), Shirley Kaplan (Associate in Theatre), Dennis Parichy (Instructor in Theatre), Janet Soares (Associate in Dance)

The Minor Latham Playhouse is the center of activities for Barnard students interested in the theatre. The Playhouse is a small professional theatre housing the Barnard College Theatre Company, and it is a busy living theatre for students who wish to work at the craft of creating theatre. Majoring in various departments, the students bring to the Playhouse their special abilities and the experience of such courses as those listed. Students participate in staged productions of both the classic and the experimental, dance, opera, cabaret, musical ensemble, and children's theatre. The Gilbert and Sullivan and the French, Greek, and Spanish clubs work in close cooperation with the theatre program. Students also have the opportunity to tour with the medieval theatre touring group and with Theatre in a Box (children's theatre).

Ms. Luz Castaños advises theatre students, and all of the theatre staff are available for discussion and conference. For further information consult the Theatre office.

Students contemplating a career in the theatre should see the announcement on the Program in the Arts, page 90, and should consult the Director of the Playhouse at the earliest possible time.

There is no major or minor in Theatre, but students may concentrate on theatre either through the English Department or the Program in the Arts.

Among the courses concerned with the theatre are these, described in detail in the departmental announcements. For other courses offered in the University, please consult the Director of the Playhouse.

## DANCE

**61x, 62y. Dance Workshop I.**  
S. Genter.

**63x. Form in Dance Composition.**  
J. Soares.

**64y. Content in Dance Composition,**  
J. Soares.

**65x, 66y. History of the Dance.**  
J. Roosevelt.

**71x, 72y. Dance Workshop II.**  
J. Soares.

**74y. Contemporary Choreographers and Their Works.**  
Dance Staff.  
*Offered in alternate years. Offered in 1981-1982.*

**76y. Critical Writing on Dance.**  
T. Tobias.

## ENGLISH

**13x, 14y. Dramatic Writing.**  
H. Teichmann.

**21x. The Uses of Speech.**  
E. Caughran.

**24y. Oral Interpretation of Literature.**  
E. Caughran.

**27x. Public Speaking.**  
R. Norman.

**28y. Persuasive Speaking.**  
R. Norman.

**29x, 30y. Introduction to the Theatre.**  
L. Castaños and Theatre Staff.

**31x, 32y. Contemporary Theatre**  
L. Castaños.

**33x, 34y. Play Production.**  
K. Janes and D. Parichy.

**35x, 36y. The Actor's and Director's Interpretation of Dramatic Literature.**  
K. Janes.

**37x, 38y. Musical Ensemble Theatre.**  
S. Kaplan and guests.

# Theatre

**63x, 64y. Shakespeare.**

D. Robertson and R. Patterson.

**69y. English Drama: 900-1642.**

R. Patterson.

**86y. Modern Drama.**

B. Ulanov.

## FRENCH

**16y. Advanced Oral French.**

M. Levowitz.

**34y. The French Theater of the Seventeenth Century.**

R. Geen.

**39y. Twentieth-Century French Theater.**

R. Geen.

*Offered in alternate years. Offered in 1981-1982.*

**48y. Forms of Humanism.**

S. Gavronsky.

## GERMAN

**15x. Goethe.**

G. Sakrawa.

*Offered in alternate years. Offered in 1981-1982.*

**18y. Schiller's Dramas.**

B. Bradley.

*Offered in alternate years. Offered in 1980-1981.*

**25y. German Prose and Drama from Büchner to Nietzsche.**

G. Sakrawa.

*Offered in alternate years. Offered in 1981-1982.*

**26y. Modern German Theatre.**

B. Bradley.

*Offered in alternate years. Offered in 1980-1981.*

**36x. Goethe's Faust.**

G. Sakrawa.

*Offered in alternate years. Offered in 1981-1982.*

**46y. German Literature in the Eighteenth Century.**

G. Sakrawa.

*Offered every three years. Offered in 1980-1981.*

**50x. Brecht and Grass.**

B. Bradley.

*Offered in alternate years. Offered in 1980-1981.*

## GREEK AND LATIN

**Classical Literature V 3123y. Greek Drama and its Influences.**

H. Bacon.

**Greek V 3305x. Tragedy.**

T. MacCary.

**Greek V 3307x. Comedy.**

Staff.

*Offered in alternate years. Offered in 1981-1982.*

## ITALIAN

**V 3642y. Studies in Contemporary Italian-Arts: Italian Film.**

P. D'Acierno.

*Offered in alternate years. Offered in 1981-1982.*

## MEDIEVAL AND RENAISSANCE STUDIES

**81x. Italian Renaissance Courts and the Theater (1400-1600).**

M. Lorch and H. Doris.

*Offered every three years. Offered in 1981-1982.*

## MUSIC

**V 1005y. The Opera.**

J. Beeson.



# Urban Studies

Office: 408 Lehman Hall

Telephone: 280-5097, 2159

This program is supervised by the Committee on Urban Studies:

**Professor of Political Science**  
Demetrios Caraley (Chairman)

**Professor of Anthropology**  
Paula G. Rubel

**Professor of English**  
Barry Ulanov

**Professor of Geography**  
Leonard Zabler

**Professor of Sociology**  
Bernard Barber

**Professor of Economics**  
Deborah D. Milenkovitch

**Assistant Professor of History**  
John W. Chambers

**Instructor in Urban Studies and Political Science**  
Kathryn B. Yatrakis (Program Coordinator)

The purpose of the Urban Studies Program is to develop understanding of the basic institutions, problems, and achievements of city life.

## REQUIREMENTS FOR THE MAJOR

A major in urban studies can be taken only in conjunction with a concentration in one of the regular departments. Normally the student chooses as major adviser the member of the committee from the department in which she intends to concentrate.

In order to major in Urban Studies a student must fulfill the following requirements:

a) Eight courses distributed as follows:

One course dealing primarily with urban subject matter in each of three of the following departments from among those courses indicated:

|                             |                                    |
|-----------------------------|------------------------------------|
| Anthropology V 3100         | <i>Urban Societies</i>             |
| Economics W 3228            | <i>The Urban Economy</i>           |
| History W 4673 or<br>W 4674 | <i>American Urban History</i>      |
| Political Science V 3313    | <i>American Urban Politics</i>     |
| Sociology V 3265            | <i>Minorities in American Life</i> |
| or                          |                                    |
| Sociology V 3324            | <i>Urban Sociology</i>             |
| (or their equivalents)      |                                    |

One course dealing primarily with urban subject matter from a list approved by the committee in **each of two** other departments, such as art history, English, geography, psychology, biology, architecture, and urban planning. The list of specific courses and of the departments that offer concentrations for urban studies majors is available at the office of the Chairman and of the Program Coordinator.

|                     |   |
|---------------------|---|
| Urban Studies 45-46 | <i>Junior Colloquium</i>                  |
| Urban Studies 64    | <i>Senior Colloquium in Urban Studies</i> |

and

# Urban Studies

- b) The satisfactory completion of a concentration in one of the participating departments consisting of not fewer than **five** courses and the writing in that department of a senior thesis on an urban topic to be approved by the committee.

## REQUIREMENTS FOR THE MINOR

There is no minor in Urban Studies.

## COURSES OF INSTRUCTION

### **35y. Colloquium-Workshop in Urban Administration and Management.**

Processes of administration and management in urban organizations. Executive leadership, decision-making, bureaucracy, budgeting and personnel. Resources of New York City utilized to gain firsthand experience of administrative and managerial processes through internships. — K. Yatrakis.

*Prerequisite: Political Science I or V 3313, or the equivalent.*

*Enrollment limited to ca. 20 students.*

*One course credit.*

*Tu 2:10-4:00.*

### **45x-46y. Junior Colloquium in Urban Studies.**

Autumn Term: Urbanization, using various methods, concepts, and materials. Origin and current status of urban problems. Spring Term: Problems that currently afflict urban areas and assessment of attempted solutions. Problems of urban development, housing, education, poverty, transportation, and health. — 45: J. Chambers; 46: K. Yatrakis.

*Prerequisite: permission of the instructor.*

*Enrollment limited to 15-20 students.*

*One course credit.*

*45: W 2:10-4:00.*

*46: Tu 11:00-12:50.*

### **64y. Senior Colloquium in Urban Studies.**

Future prospects of cities and metropolitan areas; reports on research being conducted for the senior thesis in the department of concentration. — K. Yatrakis.

*Open only to senior majors.*

*One course credit.*

*W 2:10-4:00.*



# Women's Studies

*Office: 413 Lehman Hall*

*Telephone: 280-2159*

This program is supervised by the Committee on Women's Studies:

**Assistant Professor of Economics**

Bettina Berch

**Professor of Psychology**

Lila Braine<sup>1</sup>

**Assistant Professor of Biology**

Julia Chase

**Coordinator of Experimental Studies Program**

Hester Eisenstein<sup>1</sup>

**Adjunct Assistant Professor of Women's Studies**

Pamella Farley

**Assistant Professor of Greek and Latin**

Helena Foley<sup>2</sup>

**Professor of French**

Tatiana Greene<sup>2</sup>

**Professor of Russian**

Richard Gustafson<sup>1</sup>

**Professor Emeritus of Sociology**

Mirra Komarovsky

**Instructor in Architecture and Planning (Columbia)**

Jacqueline Leavitt

**Visiting Assistant Professor of Anthropology**

Johanna Lessinger

**Assistant Professor of History**

Darline Levy<sup>1</sup>

**Associate Professor of English**

Maire J. Kurrik

**Assistant Professor of French (Columbia)**

Nancy Miller

**Associate in Dance**

Cynthia Novack

**Director of the Education Program**

Susan R. Sacks

**Visiting Associate Professor of Women's Studies**

Barbara Sicherman (Co-Chairman)

**Associate Professor of Spanish**

Marcia Welles

**Professor of History**

Suzanne F. Wemple (Co-Chairman)

**Instructor in Political Science**

Kathryn Yatrakis

# Women's Studies

## Director of the Women's Center

Jane Gould

## Archivist and Technical Services Librarian

Patricia K. Ballou

## Representative from Health and Society Program

Maxine Silverman

## Student Members

Catherine Franke, Susanna Fried, Sarah Orshefsky, Elisha Parrish, Terry Snofsky

<sup>1</sup>Absent on leave, 1980-1981

<sup>2</sup>Absent on leave, Autumn Term

<sup>3</sup>Absent on leave, Spring Term

The Women's Studies Program is an interdisciplinary program for students who wish to explore the basic questions raised by the new scholarship on women. Some of the issues touched upon in this field are: sex roles, sex differences, and the concepts of femininity and masculinity; the roles of women in culture and society, past and present, and their implications for the roles of men; questions about the distribution of power, work, and resources in the public and private domains; and the symbolic and religious place of femininity and masculine imagery.

Early in their sophomore year, interested students should consult the Chair or any one of the faculty members teaching Women's Studies courses for a list of advisers and required courses in the disciplines of concentration.

Complementing the Women's Studies Program, the Barnard Women's Center maintains an extensive and expanding resource collection on women's issues. The Center also sponsors monthly women's issues, luncheons, and a yearly conference, *The Scholar and the Feminist*, devoted to the exploration of the relationship of feminist studies to traditional scholarship. The Reid Lectureship brings to the campus distinguished women who have proved themselves to be responsive to women's concerns. The Women's Counseling Project is a citywide referral service, specializing in the areas of health, sexuality, employment, therapy and legal problems.

The Barnard Library's Overbury Collection of American women authors is an important research resource for Women's Studies. There are many additional programs focusing on women — films and video festivals, poetry workshops, panel discussions and art exhibitions. Students are also encouraged to partake in organized feminist activities and to use the rich resources of the feminist movement in New York City.

## REQUIREMENTS FOR THE MAJOR

Majors in the Program are trained in interdisciplinary research skills, and focus their studies in one of two areas of specialization: history/humanities or the social sciences. An individual area of study may be developed, in special cases, in consultation with a member of the Women's Studies Committee. The major in Women's Studies is taken in conjunction with a concentration in one of the departmental disciplines.

The requirements for the major are 14 courses to be distributed as follows:

|                       |  |
|-----------------------|--|
| Women's Studies 11    | <i>Major Texts of Feminist Tradition</i> |
| Women's Studies 12    | <i>Colloquium in Women's Studies</i>     |
| Women's Studies 21-22 | <i>Senior Research Seminar</i>           |

5 other courses in Women's Studies (see listing below), at least three in the student's area of specialization and at least one in another area; and

5 courses other than Women's Studies courses in the department of the student's concentration, to be selected in consultation with a member of that department.



# Women's Studies

The thesis, Women's Studies 21-22, provides an opportunity for senior majors to engage in original, interdisciplinary research, and to bring to bear the theoretical emphasis of Women's Studies scholarship on a particular area of empirical investigation. Further, in the senior seminar, majors have the opportunity to discuss methodological issues and problems of research in a directed and supportive environment.

Special projects using the city's resources may be developed into term papers or incorporated into the senior essay. An extensive project under the sponsorship of at least two faculty members may be offered for course credit as Women's Studies 91, *Independent Study*.

The Program encourages joint degree programs, or combined and double majors.

Students have access to Columbia graduate courses, as well as V-courses, since some cover special areas not otherwise available (e.g., history of Jewish women).

## REQUIREMENTS FOR THE MINOR

No minor is offered in Women's Studies.

## COURSES OF INSTRUCTION

### 11x. Major Texts of the Feminist Tradition.

Central problems and themes in Women's Studies. Classic writings on the role and condition of women in the Western tradition. — B. Berch.

*Open to nonmajors.*

*Enrollment limited to 20 students.*

*One course credit.*

*Tu 10:00-11:50.*

### 12y. Colloquium in Women's Studies.

Contemporary research and theoretical developments in Women's Studies presented by guest lecturers discussing their recent work. Speakers and background readings drawn from a variety of fields. — B. Sicherman.

*Prerequisites: Two courses in Women's Studies or permission of the instructor.*

*Enrollment limited to juniors and seniors, except with permission of the instructor.*

*One course credit.*

*Tu 4:10-6:00 plus discussion hour to be arranged.*

### 20y. The Lesbian Literary Tradition.

The lesbian experience from an interdisciplinary perspective. Methods of research and analysis, utilizing historical documentation, psychological models, literature and the arts. Cultural and social developments in the 19th and 20th centuries. — P. Farley.

*One course credit.*

*F 12:00-3:00.*

### 21x-22y. Senior Seminar.

Individual research in Women's Studies conducted in consultation with the instructor. The results of each research project submitted in the form of the senior essay, and presented to the seminar. — B. Sicherman.

*Prerequisites: Courses 11 and 12.*

*Enrollment limited to senior majors.*

*One course credit.*

*Hours to be arranged plus individual consultation with the instructor.*

### Anthropology-Women's Studies V 3039x. Women in the Third World.

Comparison of women's social and economic roles in both traditional and modernizing societies. Women's roles in the family, community and class structure through examination of a series of ethnographies. — J. Lessinger.

*Prerequisites: An introductory anthropology course or Women's Studies 11 or the permission of the instructor.*

*Offered in alternate years. Offered in 1980-1981.*

*One course credit.*

*Tu Th 10:35-11:50.*

## WOMEN'S STUDIES COURSES IN OTHER DEPARTMENTS AND PROGRAMS

Student should consult the departmental and program listings for course descriptions.

### Anthropology V 3020y. Men's and Women's Speech.

*Offered in alternate years. Offered in 1981-1982.*

### Anthropology V 3021y. Sex Roles in Cross-Cultural Perspective.

D. Dwyer.

### Anthropology G 8433x. Seminar on Sex Roles.

### Art History 72x. Women in Art.

R. Bernstein.

### Art History 79y. Seminar in Contemporary Art by Women.

R. Bernstein.

### Classical Civilizations V 3158y. Women in Antiquity.

H. Foley.

### Economics 10y. Sex, Discrimination, the Division of Labor.

B. Berch.

# Women's Studies

**Economics-History 56x. History of Women's Work.**

B. Berch.

*Not offered in 1980-1981.*

**English 97x. V. Literary Theory.**

M. Kurrik.

**English G 6602y. The Feminine Renaissance of the 1920's in America.**

A. Douglas.

**English G 8510x. Studies in Female Selfhood: Literature and Psychology.**

C. Heilbrun.

**Experimental Studies 3x. Contemporary Feminist Thought.**

J. Dulchin.

**French 43y. French Women Writers.**

T. Greene.

*Offered in alternate years. Offered in 1981-1982.*

**German 54y. German Intellectual History: Hannah Arendt.**

J. Kohn.

**Health and Society 13x. Women, Health, and Health Care.**

T. Rogers.

**History 6x. The History of Women in the High Middle Ages.**

S. Wemple.

*Offered in alternate years. Offered in 1981-1982.*

**History 32y. Women in Revolutionary Paris: 1789-1795.**

D. Levy.

*Not offered regularly. Not offered in 1980-1981.*

**History 81y. History of Women from Colonial Times to 1890.**

A. Baxter.

*Offered every two years. Offered in 1981-1982.*

**History 82x. History of Women in America since 1890.**

A. Baxter.

*Not offered in 1980-1981.*

**Medieval and Renaissance Studies 86y. Women in the Middle Ages: Ideals and Reality.**

L. Ebin, J. Rosenthal, and S. Wemple.

**Planning A 4058y. The Built Environment: Sex Roles and Social Policy (formerly Women in Planning and Architecture).**

J. Leavitt.

**Psychology 71x. Psychology and Women.**

J. Doron.

**Sociology V 3303y. Female and Male: A Sociological Perspective.**

M. Komarovsky.

**Sociology G 4018y. Sex Roles and Society.**

V. Zelizer.

**Spanish 11x. I. Women Writers of Spain: The Challenge of Change.**

M. Welles.









## XIII. Organization

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Professor Marcia Welles

## **Student Representatives to the Trustees**

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Olga M. Hughes

## The Faculty of Barnard College

Ellen V. Futter, 1980, Acting President of Barnard College  
and Dean in the University  
B.A., Barnard; J.D., Columbia

Charles S. Olton, 1977, Vice President for Academic Affairs and Dean  
of the Faculty, and Associate Professor of History  
B.A., Wesleyan; M.A., Ph.D., University of California at Berkeley

Barbara S. Schmitter, 1957, Vice President for Student Affairs and Dean of Studies  
and Associate Professor of Psychology  
A.B., Nebraska; M.A., Columbia

Helene F. de Aguilar, 1972, Assistant Professor of Spanish  
A.B., Barnard; M.A., New York University; Ph.D., Columbia

Philip V. Ammirato, 1974, Associate Professor of Biological Sciences  
B.A., City College of New York; Ph.D., Cornell

Alice H. Amsden, 1977, Assistant Professor of Economics  
B.S., Cornell; Ph.D., London School of Economics

Helen H. Bacon, 1961, Professor of Greek and Latin  
A.B., Ph.D., Bryn Mawr

James M. Baker, 1977, Assistant Professor of Music  
B.A., M.A., Ph.D., Yale

Patricia K. Ballou, 1961, Archivist and Technical Services Librarian  
B.A., Oberlin; B.S., Columbia School of Library Science

Peter D. Balsam, 1975, Assistant Professor of Psychology  
B.A., State University of New York at Stony Brook; M.A., Ph.D., North Carolina



- Bernard Barber, 1952, Professor of Sociology  
A.B., M.A., Ph.D., Harvard
- Victoria F. Barr, 1967, Visiting Artist in Art History  
B.F.A., Yale
- Annette K. Baxter, 1952, Adolph S. and Effie Ochs Professor of History  
A.B., Barnard; M.A., Smith, Radcliffe; Ph.D., Brown
- Alfred Bendixen, 1979, Assistant Professor of English  
B.A., State University of New York at Binghamton; M.A., Ph.D., North Carolina
- Bettina Berch, 1975, Assistant Professor of Economics  
B.A., Barnard; Ph.D., University of Wisconsin
- Joan S. Birman, 1973, Professor of Mathematics  
A.B., Barnard; M.A., Columbia; Ph.D., New York University
- Jeffrey M. Blustein, 1974, Assistant Professor of Philosophy  
A.B., Minnesota; Ph.D., Harvard
- Vilma Bornemann, 1971, Registrar and Associate in Spanish  
A.B., Barnard; M.A., Columbia
- Anne Boyman, 1979, Instructor in French  
B.A., M.A., Ph.D., Toronto
- Brigitte L. Bradley, 1962, Professor of German  
A.B., William and Mary; D. d'Université, Strasbourg; M.A., Ph.D., Columbia
- Lila Ghent Braine, 1974, Professor of Psychology  
B.A., M.A., Ph.D., McGill
- Joel P. Brereton, 1974, Assistant Professor of Religion  
B.A., Kenyon; M.Phil., Ph.D., Yale
- Semyon I. Brover, 1979, Associate and Fencing Coach in Physical Education  
Dipl., Kharkov Pedagogical Institute
- Andre C. Burgstaller, 1977, Assistant Professor of Economics  
Licence, University of Geneva; M.A., Toronto; Ph.D., Columbia
- Lynda J. Calkins-McKenna, 1979, Associate and Swimming Coach in  
Physical Education,  
B.A., Adrian College; M.S., University of Massachusetts
- Demetrios Caraley, 1961, Professor of Political Science and Janet H. Robb Professor of the  
Social Sciences  
A.B., Ph.D., Columbia
- Patricia Carpenter, 1961, Professor of Music  
A.B., California; Ph.D., Columbia
- Luz Castaños, 1976, Associate in Theatre  
A.B., M.A., Hunter
- Elizabeth Louise Caughran, 1956, Associate in English  
A.B., Russell Sage; M.A., Columbia
- John W. Chambers, 1972, Assistant Professor of History  
B.S., Temple; M.A., San Francisco State; Ph.D., Columbia
- Sally Chapman, 1975, Assistant Professor of Chemistry  
A.B., Smith; Ph.D., Yale
- Julia Chase, 1976, Assistant Professor of Biological Sciences  
A.B., Smith; Ph.D., Indiana

# Organization

- Joy Chute, 1964, Adjunct Professor of English
- Marcelo Coddou, 1975, Associate Professor of Spanish  
M.A., Chile; Ph.D., Madrid
- Elizabeth Corbett, 1969, Circulation Librarian  
S.M., Simmons
- William A. Corpe, 1956, Professor of Biology  
A.B., M.A., Wisconsin; Ph.D., Pennsylvania State
- James Crapotta, 1975, Assistant Professor of Spanish  
B.A., Queens; M.A., Ph.D., Harvard
- Mary Curtis, 1979, Associate and Volleyball Coach in Physical Education  
B.S., Western Montana College; M.A., University of Iowa
- Dennis G. Dalton, 1969, Professor of Political Science  
A.B., Rutgers; M.A., Chicago; Ph.D., London
- Elizabeth Dalton, 1965, Assistant Professor of English  
A.B., California; M.A., Ohio State; Ph.D., Columbia
- Flora S. Davidson, 1973, Assistant Professor of Political Science  
A.B., Barnard; M.Phil., Ph.D., Columbia
- Gregory Defreitas, 1980, Assistant Professor in Economics  
B.A., Stanford; M.A., M.Phil., Ph.D., Columbia
- Marjorie Housepian Dobkin, 1957-59; 1960, Associate in English  
A.B., Barnard; M.A., Columbia
- Hubert Doris, 1957, Professor of Music  
A.B., Harvard; M.A., Columbia
- Julie Doron, 1977, Assistant Professor of Psychology  
B.A., Cornell; M.A., M.Phil., Ph.D., Columbia
- Patricia L. Dudley, 1959, Professor of Biology  
A.B., M.A., Colorado; Ph.D., Washington
- Joan Dulchin, 1980, Director and Lecturer in Experimental Studies.  
A.B., Barnard; Ph.D., Columbia
- Lois A. Ebin, 1969-76; 1978, Associate Professor of English  
A.B., Smith; M.A., Ph.D., Columbia
- Hester Eisenstein, 1970, Senior Lecturer in Experimental Studies.  
A.B., Radcliff; M.A., Ph.D., Yale.
- Duncan K. Foley, 1977, Professor of Economics  
B.A., Swarthmore; Ph.D., Yale
- Helene Peet Foley, 1979, Assistant Professor of Greek and Latin  
B.A., Swarthmore; M.A.T., M.A., Yale; Ph.D., Harvard
- Jean E. Follansbee, 1979, Associate in Physical Education  
B.S., State University of New York at Cortland; M.S., University of Massachusetts
- Hillel Fradkin, 1979, Assistant Professor of Religion  
A.B., Cornell; Dipl., Defense Language Institute; Ph.D., Chicago
- Richard M. Friedberg, 1968, Professor of Physics  
A.B., Harvard; M.A., Ph.D., Columbia
- Serge Gavronsky, 1960, Professor of French  
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- Renée Geen, 1956, Professor of French  
A.B., Brooklyn; M.A., Wisconsin; Ph.D., Columbia
- Sandra Genter, 1961, Assistant Professor of Dance  
A.B., Wisconsin; M.A., Columbia
- Enrique A. Giordano, 1974, Assistant Professor of Spanish  
M.A., Ph.D., Pennsylvania
- Rebecca Goldstein, 1976, Assistant Professor of Philosophy  
A.B., Barnard; Ph.D., Princeton
- Daniel R. Grayson, 1976, Assistant Professor of Mathematics  
B.S., M.S., Chicago; Ph.D., Massachusetts Institute of Technology
- Marjorie N. Greenberg, 1978, Associate in Physical Education and Director of Athletics  
B.S., Douglass; M.A., Columbia
- Tatiana Greene, 1946, Professor of French  
Candid. en Droit, Brussels; M.A., Ph.D., Columbia
- Dorothy T. Gregory, 1977, Assistant Professor of Modern Greek  
B.A., M.A., M.Phil., Ph.D., Columbia
- Richard F. Gustafson, 1965, Professor of Russian  
A.B., Yale; Ph.D., Columbia
- Suzanne Hampton, 1980, Assistant Professor of Biology  
B.A., Drew; M.S., Tulane; Ph.D., University of Texas
- Elizabeth Hardwick, 1965, Adjunct Professor of English  
A.B., M.A., Kentucky
- John Harer, 1980, Assistant Professor in Mathematics  
B.A., Haverford; Ph.D., University of California Berkeley
- Marilyn Harran, 1976, Assistant Professor of Religion  
B.A., Scripps; M.A., Ph.D., Stanford
- Giselle Harrington, 1972, Associate in Education  
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- Paul Hertz, 1979, Associate Professor of Biology  
B.S., Stanford; M.A., Ph.D., Harvard
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- Toby Berger Holtz, 1971, Lecturer in Geography  
A.B., Barnard; M.A.T., Harvard; Ed.D., Columbia
- David C. Hoy, 1977, Associate Professor of Philosophy  
B.A., Ph.D., Yale
- Barry M. Jacobson, 1974, Assistant Professor of Chemistry  
B.A., Chicago; Ph.D., Harvard
- Kenneth H. Janes, 1961, Professor of English and Director of Minor Latham Playhouse
- Peter H. Juviler, 1964, Professor of Political Science  
B.E., M.E., Yale; M.A., Ph.D., Columbia
- Tatiana Keis, 1967, Reserve Room Librarian  
A.B., M.L.S., Columbia
- George W. Kelling, 1972, Assistant Professor of Psychology  
B.A., Ph.D., Colorado

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A.B., Maine; Ph.D., Yale
- Ruth M. Kivette, 1952, Professor of English  
A.B., Barnard; M.A., Ph.D., Columbia; B.D., Union Theological Seminary
- Morton Klass, 1965, Professor of Anthropology  
A.B., Brooklyn; Ph.D., Columbia
- Stephanie Krstulovic, 1962, Technical Services Librarian  
School of Commerce, Yugoslavia
- Mairè J. Kurrik, 1968, Associate Professor of English  
A.B., Vassar; Ph.D., Harvard
- James R. Larson, Jr., 1979, Assistant Professor of Psychology  
B.S., Seattle; M.S., Ph.D., University of Washington
- Sue Howard Larson, 1969, Professor of Philosophy  
A.B., Ph.D., Stanford
- Marina Ledkovsky, 1969, Professor of Russian  
Ph.D., Columbia
- Lydia H. Lenaghan, 1962, Associate Professor of Greek and Latin  
A.B., Barnard; M.A., Ph.D., Bryn Mawr
- Leslie Lessinger, 1977, Assistant Professor of Chemistry  
B.A., M.A., Ph.D., Harvard
- Darline G. Levy, 1973, Assistant Professor of History  
A.B., Barnard; Ph.D., Harvard
- Maristella de Panizza Lorch, 1951, Professor of Italian  
Dott. in Lett. e. Filos., Rome
- Anne W. Lowenthal, 1977, Assistant Professor of Art History  
A.B., Brown; M.A., Ph.D., Columbia
- Joseph L. Malone, 1967, Professor of Linguistics  
A.B., M.A., Ph.D., University of California at Berkeley
- Joseph Masheck, 1961, Assistant Professor of Art History  
A.B., M.A., Ph.D., Columbia
- Robert A. McCaughey, 1969, Professor of History  
A.B., Rochester; M.A., North Carolina; Ph.D., Harvard
- John Meskill, 1960, Professor of Chinese and Japanese  
A.B., Harvard; Ph.D., Columbia
- Deborah D. Milenkovitch, 1965, Professor of Economics  
A.B., Radcliffe; Ph.D., Columbia
- Barbara S. Miller, 1968, Professor of Oriental Studies  
A.B., Barnard; M.A., Columbia; Ph.D., Pennsylvania
- Debra Lynn Miller, 1968, Assistant Professor of Political Science  
B.A., University of California; Ph.D., Harvard
- Kathleen Moore, 1976, Associate and Track Coach in Physical Education  
B.A., Michigan; M.A., Columbia
- Joann Ryan Morse, 1957, Professor of English  
A.B., Vassar; M.A., Yale
- Mary Mothersill, 1963, Professor of Philosophy  
A.B., Toronto; M.A., Ph.D., Radcliffe



- Richard A. Norman, 1954, Adjunct Professor of English  
A.B., George Washington; M.A., Ph.D., Columbia
- Cynthia Novack, 1978, Associate in Dance  
B.A., University of California at Berkeley
- Barbara Novak, 1958, Professor of Art History  
A.B., Barnard; M.A., Ph.D., Radcliffe
- David G. Nowak, 1979, Instructor in French  
B.A., M.A., Ph.D., Wisconsin
- Dorothea Nyberg, 1968, Associate Professor of Art History  
A.B., Toronto; M.A., Ph.D., New York University
- Stanley E. Nyberg, 1979, Assistant Professor of Psychology  
B.S., Massachusetts; Ph.D., State University of New York at Stony Brook
- Elaine H. Pagels, 1970, Professor of Religion  
A.B., M.A., Stanford; Ph.D., Harvard
- Remington P. Patterson, 1955, Professor of English  
A.B., M.A., Ph.D., Yale
- Marion R. Philips, 1945-55; 1958, Professor of Physical Education  
A.B., Hunter; M.A., Columbia
- Rolly Phillips, 1977, Assistant Professor of Greek and Latin  
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- Marie-Claire Picher, 1979, Instructor in French  
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- Richard M. Pious, 1973, Associate Professor of Political Science  
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- Anne Lake Prescott, 1959-62; 1963, Professor of English  
A.B., Barnard; M.A., Ph.D., Columbia
- Martin Purvis, 1977, Assistant Professor of Physics.  
B.A., Yale; Ph.D., Massachusetts
- Nicholas Rango, 1978, Samuel R. Milbank Assistant Professor of Health and Society  
B.S., St. Louis; M.D., Northwestern
- David A. Robertson, Jr., 1940, Millicent Carey McIntosh Professor of English  
A.B., M.A., Ph.D., Princeton
- Jeanette Schlottmann Roosevelt, 1951-58; 1962, Professor of Dance  
B.S., M.A., Texas Women's University
- Jane H. Rosenthal, 1952-55; 1971, Assistant Professor of Art History  
A.B., Douglass; Ph.D., Columbia
- Marian L. Rosenwasser, 1975, Associate in Physical Education  
B.S., City College of New York; M.S., Massachusetts
- Abraham Rosman, 1966, Professor of Anthropology  
A.B., City College of New York; Ph.D., Yale
- Perla Rozencvaig, 1977, Instructor in Spanish  
B.A., M.A., Columbia
- Paula G. Rubel, 1965, Professor of Anthropology  
A.B., Hunter; Ph.D., Columbia
- Susan R. Sacks, 1971, Director of Education Program  
A.B., Northwestern; M.A., Western Reserve; Ph.D., Columbia

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- Gertrud M. Sakrawa, 1952, Associate Professor of German  
M.A., Columbia; Ph.D., Vienna, Columbia
- John E. Sanders, 1969, Professor of Geology  
A.B., Ohio Wesleyan; Ph.D., Yale
- Anatol K. Sapronow, 1966, Associate in Russian  
Russian Gymnasium, Belgrade
- Marianna Greene Sapronow, 1967, Associate in Russian  
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- Frances Fuchs Schachter, 1972, Assistant Professor of Psychology  
A.B., Barnard; Ph.D., Rochester
- Flora H. Schiminovich, 1977, Instructor in Spanish  
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- Peter Schubert, 1970, Associate in Music  
A.B., M.A., Columbia
- Alan Segal, 1980, Associate Professor of Religion  
B.A., Amherst; M.A., Brandeis; Ph.D., Yale.
- Bernice Segal, 1958, Professor of Chemistry  
A.B., Radcliffe; Ph.D., Columbia
- Mirella d'Ambrosio de Servodidio, 1964, Professor of Spanish  
A.B., Barnard; M.A., Ph.D., Columbia
- Marvin Shulman, 1968-69; 1975, Associate in German  
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- Rae Silver, 1976, Associate Professor of Psychology  
B.A., McGill; M.A., City University of New York; Ph.D., Rutgers
- Janet Soares, 1968, Associate in Dance  
B.S., Juilliard; M.A., Columbia
- Natalie Sonevitsky, 1959, Reference Librarian  
A.B., New Rochelle; M.S., Columbia
- Quandra P. Stadler, 1970, Associate in English  
A.B., Antioch
- Dennis Stevenson, 1980, Assistant Professor of Biology  
B.A., M.A., Ohio; Ph.D., University of California at Davis
- Sandra Stingle, 1967, Assistant Professor of Psychology  
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- Howard M. Teichmann, 1946, Adjunct Professor of English  
A.B., Wisconsin
- Patricia Terry, 1958, Adjunct Associate Professor of French  
A.B., Wellesley; M.A., Ph.D., Columbia
- Janice Farrar Thaddeus, 1956, Assistant Professor of English  
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- Zoya A. Trifunovich, 1959, Associate in Russian  
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- Mary Ellen Tucker, 1970, Acquisitions Librarian  
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Bach. Instituto-Escuela de Madrid; M.A., Ph.D., Columbia



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B.Sc., London School of Economics; M.A., Chicago; Ph.D., Columbia

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B.Sc., M.Sc., Ph.D., McGill

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## Faculty Emeriti

Helen R. Downes, 1933-1960, Professor Emeritus of Chemistry

Ph.D.

Amelia A. de del Rio, 1930-1962, Professor Emeritus of Spanish

Ph.D.

Milicent C. McIntosh, 1947-1962, President Emeritus

Ph.D., LL.D., Litt.D., L.H.D.

Thomas P. Peardon, 1923-1965, Professor Emeritus of Political Science

Ph.D.

Lucyle Hook, 1948-1967, Professor Emeritus of English

Ph.D.

Eugenio Florit, 1945-1969, Professor Emeritus of English

D. en D.

Virginia D. Harrington, 1942-1969, Professor Emeritus of History

Ph.D.

Jean T. Palmer, 1946-1969, General Secretary Emeritus

A.B.

Henry A. Boorse, 1937-1970, Professor Emeritus of Physics and Dean Emeritus of the Faculty

Ph.D.

# Organization

Julius S. Held, 1936-1970, Professor Emeritus of Art History  
Ph.D.

Mirra Komarovsky, 1934-1970, Professor Emeritus of Sociology  
Ph.D.

Emma Dietz Stecher, 1945-1971, Professor Emeritus of Chemistry  
Ph.D.

Theodor H. Gaster, 1966-1972, Professor Emeritus of Religion  
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Eleanor Rosenberg, 1953-1973, Professor Emeritus of English  
Ph.D.

Raymond J. Saulnier, 1938-1973, Professor Emeritus of Economics  
Ph.D., LL.D.

George Woodbridge, 1960-1973, Professor Emeritus of History  
Ph.D.

Marion Hamilton Gillim, 1952-1974, Professor Emeritus of Economics  
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Gladys Meyer, 1948-1974, Professor Emeritus of Sociology  
Ph.D.

Basil Rauch, 1941-1974, Professor Emeritus of History  
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John Kouwenhoven, 1946-1975, Professor Emeritus of English  
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Richard Youtz, 1946-1975, Professor Emeritus of Psychology  
Ph.D.

Joseph Gerard Brennan, 1947-1976, Professor Emeritus of Philosophy  
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Helen Phelps Bailey, 1933-1977, Professor Emeritus of French  
Ph.D.

Donald D. Ritchie, 1948-1979, Professor Emeritus of Biological Sciences  
Ph.D.

Eleanor M. Tilton, 1950-1979, Professor Emeritus of English  
Ph.D.

LeRoy C. Breunig, 1953-1980, Professor Emeritus of French  
Ph.D.

## Visiting Faculty

Katherine B. Baetjer, 1980, Adjunct Associate Professor of Art History  
B.A., Radcliffe; M.A., Institute of Fine Arts, New York University

Judith E. Bernstock, 1980, Visiting Assistant Professor in Art History  
B.A., Cornell; M.A., Ph.D., Columbia

Ewert H. Cousins, 1974, Visiting Professor in Medieval & Renaissance Studies  
A.B., Spring Hill College; S.T.L., St. Louis University; Ph.D., Fordham

Marshall Cohen, 1978, Visiting Professor of Philosophy  
B.A., Dartmouth; M.A., Harvard

Ester F. Fuchs, 1980, Assistant Professor of Political Science  
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- Rona Goffen, 1980, Associate Professor of Art History  
B.A., Mt. Holyoke; M.A., Ph.D., Columbia
- Donald E. Hutchings, 1972, Adjunct Assistant Professor of Psychology  
A.B., Lake Forest; M.A., Ph.D., Chicago
- Johanna Lessinger, 1978, Assistant Professor of Anthropology  
B.A., Radcliffe; M.A., Ph.D., Brandeis
- Brian O'Doherty, 1970, Adjunct Professor of Art History  
M.B., M.C.H., D.P.H., University College, Dublin; M.Sc., Harvard
- Thomas Perera, 1966, Associate Professor of Psychology  
A.B., M.A., Ph.D., Columbia
- Donald W. Rogers, 1980, Professor of Chemistry  
A.B., Princeton; M.A., Wesleyan; Ph.D., University of North Carolina
- Barbara Sicherman, 1980, Associate Professor of Women's Studies  
B.A., Swarthmore; M.A., Ph.D., Columbia
- Beverly Moss Spatt, 1971, Adjunct Associate Professor of Geography  
A.B., Pembroke; M.A., Ph.D., New York University
- Lewis Spitz, 1980, Professor of Religion  
B.A., Concordia; M.A., M. Div., Concordia Seminary; Ph.D., Harvard
- Chantal Thomas, 1980, Visiting Assistant Professor  
Ph.D., Ecole Pratique de Haute Etudes

## Other Officers of Instruction

- Fernando Alvarez, 1979, Adjunct Assistant Professor (part-time) in Psychology  
B.A., Brooklyn College; M.A., Ph.D., University of California at Riverside
- Howard Andrews, 1978, Adjunct Assistant Professor (part-time) in Psychology  
B.A., Richmond College; Ph.D., Rutgers
- Janis Ansley, 1975, Associate (part-time) in Dance  
B.F.A., Southern Methodist University; M.A., University of Illinois
- Regina Ayre, 1972, Lecturer in German  
B.A., Sir George Williams; M.A., Ph.D., Columbia
- Jean T.D. Bandler, 1978, Lecturer in Sociology  
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- Marlene Barsoum, 1980, Instructor (part-time) in French  
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- Connie Brown, 1980, Instructor (part-time) in English  
A.B., Barnard; M.A., Ph.D., Columbia
- Diana Chang, 1979, Adjunct Associate Professor (part-time) in English  
A.B., Barnard
- Constance Colby, 1972, Instructor (part-time) in English  
B.A., M.A., University of Michigan
- Joanna L. Cole, 1973, Instructor (part-time) in English  
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- Furio Colombo, 1978, Lecturer (part-time) in Italian  
Doctor of Phil. of Law, Turin
- June Ekman, 1977, Instructor (part-time) in Theatre

# Organization

Pamella Farley, 1979, Adjunct Assistant Professor (part-time) in Women's Studies  
B.A., Oberlin College; M.A., Ph.D., Pennsylvania State

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Arnold Graber, 1979, Instructor (part-time) in English  
B.A., Harvard; M.A., M.Phil., Columbia

Danielle Haase-Dubosc, 1962, Lecturer at Reid Hall  
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David Henry, 1974, Instructor (part-time) in Physical Education

Sally Hess, 1980, Instructor (part-time) in Dance

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B.A., M.S., American University of Beirut

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A.A.S., Briarcliff; Diploma, Academie de la Grande Chaumiere

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Ph.D., New School of Social Research

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Milton Resnick, 1972, Visiting Artist in Art History

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B.A., Antioch; M.A., Hunter College; Ph.D., City University of New York

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A.B., Sweet Briar; M.A., M.Phil., Columbia

John F. Santore, 1977, Assistant Professor (part-time) of History  
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A.B., University of California at Riverside; M.A., Ph.D., Johns Hopkins

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B.Ed., University of Toledo; M.S., University of Michigan

Florian Stuber, 1978, Instructor (part-time) in English  
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Timea Szell, 1979, Instructor (part-time) in English  
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Clara Ching-Hsien Wu, 1974, Lecturer (part-time) in Chemistry  
B.S., National Taiwan University; M.S., University of Virginia; Ph.D., Carnegie Institute of Technology

## Officers of Administration

Ellen V. Futter, J.D., Acting President of Barnard College and  
Dean in the University

Charles S. Olton, Ph.D., Vice President for Academic Affairs and Dean of the  
Faculty and Associate Professor of History

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Barbara S. Schmitter, M.A., Vice President for Student Affairs and Dean of  
Studies and Associate Professor of Psychology

Dorothy C. Weinberger, A.B., Vice President for Public Affairs

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Michael B. Alexander, M.A., Executive Assistant to the President

Deborah Berry, Administrative Assistant to the President

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Barbara Yamaguchi, Administrative Assistant to the Dean

James Crawford, B.S., Director of Faculty and Government Grants

Katherine P. Swenson, A.B., Grants Program Specialist

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Grace King, Ph.D., Assistant Dean of Studies and Dean for Seniors

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Quandra Stadler, B.A., Class Adviser, Foreign Student Adviser  
Sandra Stingle, Ph.D., Class Adviser  
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Mary Ann Lanzetta, M.B.A., Assistant Controller  
Bella Ben-Oni, Assistant to the Controller  
Barbara Robbins, Accountant

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Kim Healey, B.A., Associate Director  
Kathryn Collins, M.Ed., Supervisor, Internship Program  
Providence Rodrigues, College Work-Study Program Officer

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Camillo L. Gugliucci, M.D., Consulting Gynecologist  
Herbert A. Hochman, M.D., Consulting Dermatologist  
Zira Defries, M.D., College Psychiatrist  
Denise Saks, J.S.D., Ma., M.S., Counselor  
Nancy Wolf, M.S.W., Counselor  
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Ileane Lubell, R.N., Head Nurse  
Arleen Eisman, R.N., Nurse

## **Language Laboratory**

Ersi L. Breunig, Director

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Tatiana Keis, M.S., Reserve Room Librarian  
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Mary Ellen Tucker, M.S., Acquisitions Librarian

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Myrtle Tate, B.S., Manager

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Sallie Y. Slate, B.S., Director

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Virginia Shaw, A.B., Associate Registrar and Secretary to the Faculty

## **Office of Residential Life**

Ione G.W. Gatch, B.A., Director  
Frances Kleinman, Ph.D., Associate Director  
Rosemarie Dackerman, M.Ed., Resident Director, Residence Halls  
Sevrine Barrie, M.A., Resident Director, Plimpton Hall  
Pamela Grant, M.A., Resident Director, 600, 616, 620

## **Office of Safety and Security**

Raymond E. Boylan, Director  
Priscilla Wolf, M.A., Assistant Director  
Louis Sample, A.A., Security Supervisor

## **Women's Center**

Jane S. Gould, M.A., Director  
Janie Kritzman, M.A., Associate Director





## XIV. The Associate Alumnae

**The Associate Alumnae** of Barnard College is comprised of 20,000 members from all fifty states of the Union and more than seventy-five countries abroad. Members include all who have completed a year or more of study at Barnard and have left in good academic standing as well as those who hold a Barnard degree. There are no alumnae dues. The *Barnard Alumnae* magazine, the *Barnard Reporter* newsletter, and invitations to alumnae events and other annual academic and career programs are sent regularly to Barnard alumnae.

**The Associate Alumnae** serve the College in three important ways: by keeping local high school students informed about Barnard; by interpreting Barnard to the community in general; and by voluntarily aiding in the support of the College.

**Alumnae Council**, a nationwide group of alumnae leaders, meets annually on campus for the exchange of ideas and to receive updated information on the College so they may continue to represent Barnard effectively.

Over 45 clubs and informal local groups of Barnard alumnae in the United States and abroad form a network that makes it possible for Barnard alumnae to find one another. Alumnae traveling or moving to a new location may contact the Alumnae Office for the names and addresses of alumnae living both within the United States and abroad.

The functions of the Associate Alumnae are handled by a 21 member board elected annually by all Barnard alumnae. Four alumnae are elected to represent the Associate Alumnae on the Board of Trustees of Barnard College. The central office of the Associate Alumnae is in the Alumnae Affairs Office on campus.

**Barnard Area Representatives** (BARs) are qualified alumnae appointed by the Admissions and Alumnae Offices who act in a liaison capacity between the College and prospective students, parents, and high school counselors. BARs frequently attend college information meetings at secondary schools, host informal gatherings for prospective students, and conduct local interviews. High School students considering Barnard and interested in speaking with a BAR may arrange an interview by writing to the individual nearest them. A listing of the BARs is given on the following pages.

# Associate Alumnae

## Officers of the Associate Alumnae

Dorothy Coyne Weinberger, President  
Maureen McCann Miletta, Secretary  
Irma Socci Moore, Director of Alumnae Affairs  
Anne Winters, Associate Director of Alumnae Affairs  
Toni Crowley Coffee, Editor, *Barnard Alumnae*  
Yvonne S. Untch, Records Management Officer

## Directors

Marion Patterson Ames  
Diane Serafin Blank  
Dorothy Urman Denburg  
Blanche Goldman Etra  
Barbara Vedrody Grants  
Linda Krakower Greene  
Bette Kerr  
Naomi F. Levin  
Elise Alberts Pustilnik  
Jamienne S. Studley  
Shulamith Stromer Talansky  
Janice Farrar Thaddeus  
Ana del Valle Totti  
Eileen H. Weiss

## Alumnae Trustees

Hilda Minneman Bell  
Cecilia Diaz Norris  
Charlotte Hanley Scott  
Dorothy Coyne Weinburger

## Barnard Area Representatives

### Arizona

#### Phoenix

Marilyn Melton Brooks  
701 E. Hayward, 85020

### Arkansas

#### Little Rock

Mrs. Norman E. Holcomb  
2900 North Pierce, 72207

### California

#### Berkeley

Eleanore Lee  
1912 McGee Street, 94703

### Monterey

Eloise Ashby Andrus (Mrs. Alvin F.)  
2130 San Vito Circle, 93940

### Northridge (Los Angeles Area)

Julia E. Surtshin  
17550 Prairie Street, 91325

### Palo Alto

Susan Eisner Schiff  
550 Madison Way, 94303

### Sacramento Area

Nina Tomas Bradbury (Mrs. Robert)  
4617 Minnesota Avenue  
Fair Oaks, 95628

### San Francisco Area

Ms. Sherri Patterson  
c/o Freeman  
3044 Franklin #301, 94123

Mrs. Max Semel  
928 Castro Street, 94114

### Santa Barbara

Emily M. Chervenik  
1606 Shoreline Drive, 93109

## Canada

### Quebec

Mrs. Henry Etingin  
46 Aberdeen  
Montreal, H3Y 3A4

## Colorado

### Boulder

Mrs. Carl C. Zier  
7485 Old Mill Trail, 80301

### Denver

Alice McTammany Fehrenbach  
3232 South Josephine Street, 80210

### Lakewood

Carole S. Kornreich, MD  
9124 W. Warren Drive, 80227

## Connecticut

### Fairfield County

Marian B. Blow  
2228 North Street  
Fairfield, 06430

Mrs. Sally S. Lindsay  
10 Outer Road  
South Norwalk, 06854

### West Hartford

Susan Fellman  
8 Walbridge Road, 06119



# Associate Alumnae

## District of Columbia

Peggy Ellen  
2935 Macomb Street, N.W., 20008  
Arden Suk Ruttenberg (Mrs. Charles)  
4735 Butterworth Place, N.W., 20016  
See also Rockville and Silver Springs,  
MD.  
and Annandale, VA.

## Florida

Miami  
Tobie Levy Siegel (Mrs. Warren)  
1500 West 25 Street  
Miami Beach, 33140

## Georgia

Atlanta  
Mrs. Patrick Finley  
3777 Peachtree Dunwoody Road,  
N.E., 30342  
Mrs. James R. Paulk, Jr. (Carol Ann)  
2401 West Wesley Rd., N.W., 30327

## Hawaii

Kailua, Oahu  
Peggy Anne Gilcher Siegmund (Mrs.  
Harry M.)  
616 Uluhala Street, 96734

## Illinois

Chicago  
Eva Lynn Hollander  
1750 N. Clark, #1607, 60614  
Evanston  
Barbara Johnson (Mrs. Carl S.)  
1121 Lake Avenue  
Wilmette, 60091  
Lombard  
Jane Stewart Heckman (Mrs. Thomas  
P.)  
20 W. 533 Edgewood Road, 60148

## Iowa

Des Moines  
Margaret M. Brennan  
645 44th Street, 50312

## Kansas

Goodland  
Jo Clare Mangus  
P.O. Box 397, 67735

See also St. Joseph, MO, and Tulsa,  
Okla.

## Kentucky

Anchorage  
Lea Hayes Fischbach  
1105 Arbor Drive East, 40223

## Louisville

Carolyn Kimmelfield Balleisen (Mrs.  
Donald H.)  
3102 Runnymede, 40222

## Louisiana

Monroe  
Kay Crandall Causey  
1206 Riverside Drive, 71201

## New Orleans

Mrs. Argentine Black Fisher  
1010 Lowerline Street, 70118

## Maryland

Baltimore  
Norma Garfen Pressman  
3212 Labyrinth Road, 21208

## Bethesda

Jamienne S. Studley  
5132 Manning Drive, 20014

## Silver Spring

Sharon Smith Holston  
9215 Three Oaks Drive, 20901  
Joyce Seidman Shankman (Mrs.  
Sidney)  
9502 Clement Road, 20910

## Massachusetts

Boston  
Barbara Mann  
7 Grove Street, #10, 02178

## Springfield Area

Ann Dawson Johnson (Mrs. Charles)  
9 Hickory Drive  
Florence, 01060

## Michigan

Detroit  
Denise Jackson Lewis  
Personnel Department  
316 City County Building, 48226

## Grosse Pointe Park

Mrs. F. Nash Parker  
1100 Berkshire Road, 48230

# Associate Alumnae

## Missouri

### Kansas City

Carol Ginsberg Drimalas  
5227 Ward Parkway, 64112

### St. Joseph

Elaine Musgrove Guenther  
(Mrs. William H.)  
1901 Lovers Lane, 64505

### St. Louis Area

Mrs. Audrey G. DeVoto  
938 Penny Lane  
Ballwin, 63011

## Nebraska

### Omaha

Margaret Weymuller  
122 South 39 Street, Apt. 1101, 68131

## New Jersey

### Bergen County

Cheryl Foa Pecorella  
2000 Linwood Avenue  
Fort Lee, 07024

### East Windsor

Marcia Weinstein Stern  
13 Jeffrey Lane, 08520

### Millburn

Mrs. Peter S. Dykema  
201 Sagamore Road, 07041

### Moorestown-South Jersey

Victoria Taylor Robertson  
403N Washington Street  
Moorestown, 08057

## New Mexico

### Albuquerque

Louise Restituto Begley  
5608 Palomino Dr., N.W., 87120

## New York

### Albany

Deborah Schwartz Rapaport (Mrs.  
David)  
Bender Lane  
Glenmont, 12077

### Poughkeepsie

Mrs. Lawrence A. Heaton  
101 Ferris Lane, 12603

### Rochester

Mrs. Marvin N. Goldstein (Athena)  
20 Varinna Drive, 14618

## North Carolina

### Greensboro

Nahomi Harkavy (Mrs. Jonathan)  
704 Southeastern Building, 27401

## Ohio

### Cleveland

Mitzi Perry-Miller  
2449 Cambridge Drive  
Hudson, 44236

## Oregon

### Astoria

Leslie Dolin  
1211 Lexington, 97103

### Portland

Susan K. Storms (Mrs. Edgar E.)  
780 SW Menefee Lane, 97201

## Pennsylvania

### Philadelphia

Nancy Amsterdam Charkes (Mrs.  
David)  
428 Witley Road  
Wynnewood, 19096  
  
Nury Reichert  
Suite 410, Academy House  
1420 Locust Street, 19102

### Pittsburgh

Charlene Reidbord Ehrenwerth (Mrs.  
David)  
1183 Driftwood Drive, 15243

### Wallingford

Mrs. Eugene G. Monaco  
126 Westminster Drive  
Sproul Estates, 19086

## Switzerland

### Geneva

Mrs. Garrick W. Holmes  
6 Chemin Brot  
1223 Cologny

## Texas

### Dallas

Mrs. Clifford K. Williams  
4215 Ridge Road, 75229

### Galveston

Ms. Sigrid Schroder  
Marine Science Institute  
The Strand, 77550



# Associate Alumnae

## Houston

Patricia Bodell Bajenski  
2829 Timmons Lane, #182, 77027  
Patricia Caycedo  
2021 Southgate, #3, 77030

## San Antonio

Natalie Mayer Beller (Mrs. Barry M.)  
370 Pike Road, 78209

## Tyler

Mrs. James R. Montgomery  
1015 Watkins Street, 75701

## Virginia

### Fort Myer

Mrs. Hillman Dickinson  
15 B Jackson Avenue, 22211

### Norfolk

Mrs. Edward R. Willcox, Jr.  
518 Pembroke Avenue, 23507

### Richmond

Mrs. Heth Owen, Jr.  
3 Greenway Lane, 23226

## Washington

### Des Moines

Marget F.H. Wallace  
2060 Kent Des Moines Road, 98188

### Richland

Mrs. Bjorn Lih  
P.O. Box 923, 99352

### Seattle Area

Diane C. Stein (Mrs. Eugene)  
7217 57th Avenue NE, 98115

## West Indies

### Jamaica

Mrs. John T. M. Girvan  
50 Daisy Avenue  
Kingston 6

## Wisconsin

### Madison

Marlene J. Berkoff (Mrs. Herbert)  
25 North Yellowstone Drive, 53705

### Milwaukee

Bonnie B. Oh, Ph.D.  
2231 West Apple Tree Road  
Glendale, 53209

### Port Edwards

Cecilia Norris (Mrs. T.O.)  
731 Wisconsin River Drive, 54469





## XV. Scholarship Funds

### UNRESTRICTED<sup>1</sup>

**Niels J. Allison Fund (1964).**

From the estate of Beatrice C. Allison '12. \$55,229.

**Alumnae Scholarship Fund (1922).**

A tenth reunion gift by the Class of 1912, subsequently supplemented by legacy from the estate of Julia Ludlow Young and by gifts of other alumnae. \$24,242.

**Anna E. Barnard Scholarship Fund (1899).**

In honor of Mrs. John G. Barnard by Emily H. Bourne. \$3,000.

**Joan H. Baum Scholarship Fund (1977).**

By the Trustees out of funds left to the College by a bequest of Joan H. Baum '52. \$5,000.

**Frances E. Belcher Scholarship Fund (1963).**

By bequest of Miss Frances E. Belcher. \$42,257.

**Ruth Marshall Billikopf Scholarship Fund (1950).**

In honor of Ruth Marshall Billikopf '19. \$5,000.

**Varian White Blumberg Scholarship Fund (1952).**

From the estate of Varian White Blumberg '13. \$5,000.

**Elizabeth M. Bogardus Scholarship Fund (1976).**

By the Trustees out of funds left to the College by a bequest of Elizabeth M. Bogardus '44. \$20,357.65.

<sup>1</sup>Figures indicate principal of funds as of January 1, 1980.

# Scholarship Funds

**Charles E. Bogert Memorial Scholarship and Anna Shippen Young Bogert Memorial Scholarship Fund (1913).**

By bequest of Annie P. Burgess. \$10,000.

**Eva-Lena Miller Booth Scholarship Fund (1932).**

In memory of Eva-Lena Miller Booth, by the New York City Chapter of the Daughters of the American Revolution. \$1,000.

**Dorothy S. Boyle Scholarship Fund (1978).**

By the Trustees out of funds left to the College by a bequest of Dorothy S. Boyle '40. \$24,025.

**Josephine Brand Scholarship Fund (1970).**

By bequest of Josephine Brand, the income therefrom to be expended within twenty-five years for scholarships. \$32,661.

**Brearley School Scholarship Fund (1889).**

By pupils and former pupils of the Brearley School. \$3,000.

**Martha Ornstein Brenner Scholarship Fund (1915).**

In memory of Martha Ornstein Brenner '99, by her friends. \$4,000.

**Arthur Brooks Fund (1897).**

As a memorial to the Reverend Arthur Brooks, D.D., Rector of the Church of the Incarnation and Chairman of the Board of Trustees of Barnard College during the first six years of its existence, by Olivia E. Phelps Stokes. \$5,000.

**Margaret Bullowa Scholarship Fund (1979).**

By the Trustees out of funds left to the College by a bequest of Dr. Margaret Bullowa '30. \$15,000.

**Elsa B. Bunn Scholarship Fund (1980).**

By the Trustees out of funds left to the College by a bequest of Elsa B. Bunn '18. \$57,817.

**Elizabeth Hobe Burnell Scholarship Fund (1971).**

By bequest of Elizabeth Hobe Burnell '20. \$58,041.

**Fanny Steinschneider Clark Scholarship Fund (1978).**

By bequest of Fanny S. Clark '24. \$27,500.

**Thomas F. Clark Students' Fund (1928).**

By bequest of Mrs. Fanny Foster Clark. \$100,000.

**Jennie B. Clarkson Scholarship Fund (1898).**

By Mrs. W.R. Clarkson. \$3,000.

**Class of 1918 Scholarship Fund (1975).**

In memory of Marian McCaffrey Backus and other deceased members of the class of 1918, by bequest of Andrew P. Backus. \$9,145.

**Class of 1921 Scholarship Fund (1931).**

A tenth reunion gift by the Class of 1921. \$2,500.

**Class of 1925 Scholarship Fund (1975).**

A fiftieth reunion gift by the class of 1925. \$14,650.

**Class of 1930 Scholarship Fund (1975).**

A forty-fifth reunion gift in memory of Margaret Holland, by the class of 1930. \$6,441.



# Scholarship Funds

**Class of 1933 Scholarship Fund (1973).**

A fortieth reunion gift by the class of 1933. \$16,721.

**Class of 1935 Scholarship Fund (1975).**

A fortieth reunion gift by the class of 1935. \$8,630.

**Class of 1936 Scholarship Fund (1971).**

A thirty-fifth reunion gift by the class of 1936. \$8,917.

**Class of 1953 Scholarship Fund (1973).**

A twentieth reunion gift by the class of 1953. \$5,255.

**Class of 1954 Scholarship Fund (1955).**

Gifts of the Class of 1954 through their twentieth reunion. \$8,877.

**Class of 1959 Scholarship Fund (1974).**

In memory of Jacqueline Zelniker Radin '59. \$15,025.

**Martine Cobanks Scholarship Fund (1973).**

From the Estate of Alvena Martine Cobanks '19. \$10,000.

**College Bowl Scholarship Fund (1968).**

With gifts from the General Electric Company, *Seventeen* Magazine, and Gimbels Department Store, earned by the Barnard College Bowl Team's five successive victories. \$19,500.

**Yvonne Moen Cumerford Scholarship Fund (1972).**

By bequest of Yvonne Moen Cumerford '23. \$10,000.

**Caryl M. Curtis Scholarship Fund (1980).**

In memory of Caryl M. Curtis '32, by her mother Irene H. Cohn. \$20,000.

**Vera B. David Scholarships (1962).**

Income from the trust established by bequest of Vera B. David in memory of her late husband, John David.

**Ada M. Donelle Scholarship Fund (1948).**

By bequest of Mrs. Ada M. Donelle. \$121,751.

**L. Adele Dorsett Fund (1971).**

By bequest of Herman F. Smaltz in memory of Adele Dorsett Smaltz '06. \$1,000.

**Helen Geer Downs Scholarship Fund (1974).**

By the Trustees out of funds left to the College by Helen Geer Downs '40. \$10,000.

**Amelia Cary Duncan Scholarship Fund (1976).**

In memory of Amelia Cary Duncan, by an anonymous donor. \$48,034.

**May Parker Eggleston Scholarship Fund (1977).**

By the Trustees out of funds left to the College by a bequest of May Parker Eggleston '04. \$5,000.

**Sarah Engel Scholarship Fund (1973).**

From the Estate of Sarah Engel '15. \$10,000.

**Laura Teller Ericsson Scholarship Fund (1976).**

In memory of Laura Teller Ericsson '32, by the Trustees out of funds left to the College by a bequest of Maude T. Griffing. \$21,118.

**Margaret Jane Fischer Scholarship Fund (1968).**

With a gift from Margaret Jane Fischer '35. \$10,014.

# Scholarship Funds

**Fiske Scholarship Fund (1895).**

By Mrs. Martha T. Fiske-Collord. \$5,000.

**Edyth Fredericks Scholarship Fund (1974).**

In honor of Edyth Fredericks, by her niece Ellina Golub. \$10,770.

**Clara Lillian Froelich Scholarship Fund (1979).**

By the Trustees out of funds left to the College by the Life Income Contract of Clara Lillian Froelich '15. \$31,232.

**Doris P. Gallert Scholarship Fund (1970).**

By the Trustees out of funds left to the College by a bequest of Doris P. Gallert. \$6,000.

**Galway Fund (1912).**

By an anonymous donor. \$2,400.

**Anita Hyman Glick Scholarship Fund (1968).**

In memory of Anita Hyman Glick '62 by her family and friends. \$12,720.

**Irma Alexander Goldfrank Fund (1919).**

In memory of Irma Alexander Goldfrank '08, by her friends. \$2,106.

**Graham School Scholarship Fund (1907).**

By the Graham Alumnae Association. \$7,300.

**Ethel C. Gray Scholarship Fund (1973).**

By the Trustees out of funds left to the College by a bequest of Ethel C. Gray '17. \$5,195.

**Louise H. Gregory Scholarship Fund (1955).**

With gifts in memory of Louise H. Gregory. \$4,547.

**Hetta Stapff Halloran Scholarship Fund (1977).**

By the Trustees out of funds left to the College by a bequest of Hetta Stapff Halloran '11. \$10,000.

**Harkness Scholarship Fund (1939).**

With a gift from Edward S. Harkness. \$100,000.

**Jane Harnett Scholarship Fund (1978).**

By the Trustees out of funds left to the College, and by gifts from her family and friends. \$5,507.

**Helen May Smith Helmle Scholarship Fund (1973).**

By the Trustees out of funds left to the College by the life income contract of Helen May Smith Helmle '30. \$72,932.

**Margaret Holland Scholarship Fund (1975).**

In memory of Margaret Holland, by the Trustees out of funds left to the College by Margaret Holland. \$22,850.

**Rita Hilborn Hopf Memorial Scholarship Fund (1966).**

By bequest of Rita Hilborn Hopf '14. \$270,403.

**Charles Evans Hughes Scholarship Fund (1952).**

By bequest of Charles Evans Hughes. \$14,300.

**Eleanor Levison Israel Scholarship Fund (1976).**

By the Trustees out of funds left to the College by a bequest of Eleanor Levison Israel '39. \$5,000.

**Lily Murray Jones Scholarship Fund (1950).**

In memory of Lily Murray Jones '05, Alumnae Trustee from 1939 to 1943, by Murray, Alfred, and Wallace Jones. \$25,146.



# Scholarship Funds

**Mildred K. Kammerer Scholarship Fund (1973).**

By bequest of Mildred K. Kammerer '19. \$7,050.

**Mirra Komarovsky Scholarship Fund (1975).**

With gifts from alumnae and other friends. \$7,129.

**Lucile Wolf Koshland Scholarship Fund (1980).**

By the Trustees out of funds left to the College by a bequest of Lucile Wolf Koshland '19. \$10,000.

**Elsie M. Kupfer Scholarship Fund (1975).**

By the Trustees out of funds left to the College by Elsie M. Kupfer '99. \$31,302.

**Margaret Irish Lamont Scholarship Fund (1978).**

By the Trustees out of funds left to the College by a bequest of Margaret Irish Lamont '25. \$10,050.

**Augusta Larned Scholarship Fund (1924).**

By bequest of Augusta Larned. \$10,000.

**Marjorie Herrmann Lawrence Scholarship Fund (1965/67).**

In memory of Marjorie Herrmann Lawrence '19. By the Trustees out of funds left to the College and by gifts from the family. \$40,290.

**Harriett Mooney Levy Scholarship Fund (1965).**

By bequest of Harriett Mooney Levy. \$69,339.

**Joan Sperling Lewinson Scholarship Fund (1955).**

With gifts from Joan Sperling Lewinson '13. \$41,989.

**Judith Lewittes Scholarship Fund (1957).**

In memory of Judith Lewittes '55, by her family and friends. \$6,197.

**Anne Elizabeth Lincoln Scholarship Fund (1963).**

From the estate of Anne Elizabeth Lincoln '24. \$8,441.

**Amy Loveman Scholarship.**

See Prizes, page 313

**Louise Grace Luby and James Luby Scholarship Fund (1947).**

From the estate of Grace Farrant Luby '93. \$5,000.

**Barbara Scoville Maarschalk Scholarship Fund (1977).**

By the Trustees out of funds left to the College by a bequest of Barbara Scoville Maarschalk '32. \$5,000.

**Jeanne S. Mattersdorf and Bertha Miller Memorial Scholarship Fund (1970).**

With a gift from Stephanie Mattersdorf Miller.

**Cecile Lehman Mayer Scholarship Fund (1962).**

With a gift from Mr. and Mrs. Mazur. \$25,000.

**Leo Mayer Scholarship Fund (1972).**

In memory of Leo Mayer by her family. Awarded in alternate years by Barnard College and Columbia College to a deserving student. \$2,000.

**Adele Duncan McKeown Scholarship Fund (1973).**

By the Trustees out of funds left to the College by a bequest of Adele Duncan McKeown '11. \$5,000.

**Memorial Scholarship Fund (1954).**

To receive contributions in memory of deceased alumnae and friends. \$8,610.

# Scholarship Funds

**Dorothy E. Miner Scholarship Fund (1977).**

In memory of Dorothy E. Miner '26, with gifts from her family and friends. Awarded to deserving female students. \$8,135.

**Gladys Bateman Mitchell Scholarship Fund (1980).**

By the Trustees out of funds left to the College by a bequest of Gladys B. Mitchell '14. \$10,320.

**William Moir Scholarship Fund (1912).**

In memory of William Moir by his wife. \$10,000.

**Gulli Lindh Muller Scholarship Fund (1972).**

By the Trustees out of funds left to the College by the life income contract of Dr. Gulli Lundh Muller '17. \$31,901.

**Caroline Church Murray Fund (1918).**

In memory of his wife, Caroline Church Murray, by George Welwood Murray. \$5,000.

**Dorothy Brockway Osborne Scholarship Fund (1976).**

By the Trustees out of funds left to the College from her life income contract. \$12,355.

**Elizabeth Palmer Scholarship Fund (1972).**

By the Trustees out of funds left to the College by Elizabeth Palmer '15. \$20,000.

**Jean T. Palmer Scholarship Fund (1969).**

By gifts of alumnae and other friends. \$127,170.

**Josephine Bay Paul Scholarship Fund (1978).**

By the Charles Ulrick and the Josephine Bay Foundation. \$35,000.

**Frances Moore Plunkert Scholarship Fund (1973).**

In memory of Frances Moore Plunkert '33, by the Trustees out of funds left to the College by a bequest of William J. Plunkert. \$10,000.

**Lucy Powell Scholarship Fund (1971).**

By the Trustees out of funds left to the College by the life income contract of Lucy Powell '13. \$5,652.

**M. Gladys Quinby Scholarship Fund (1961).**

By bequest of M. Gladys Quinby '08 and gifts of friends. \$5,000.

**Jacqueline Zelniker Radin Scholarship (1975).**

With gifts from the family and friends of Jacqueline Zelniker Radin '59. \$6,773.

**Eleanor Kaiser Reinheimer Scholarship Fund (1976).**

By the Trustees out of funds left to the College by a bequest of Eleanor Kaiser Reinheimer '28. \$5,000.

**Eva Rich Scholarship Fund (1968).**

By bequest of Eva Jacobs Rich '07. \$53,243.

**Peter C. Ritchie, Jr. Scholarship Fund (1937).**

By bequest of Virginia J. Ritchie. \$4,436.

**Margaret Miller Rogers Scholarship Fund (1976).**

By the Trustees out of funds left to the College by a bequest of Margaret Miller Rogers '23. \$13,779.

**Edith Lowenstein Rossbach Memorial Scholarship Fund (1959).**

In memory of Edith Lowenstein Rossbach '19, by her family, friends and classmates. \$23,304.



# Scholarship Funds

**Edna Heller Sachs Scholarship Fund (1955).**

With a gift from Edna Heller Sachs '10. \$16,260.

**May and Edgar Salinger Scholarship Fund (1971).**

In memory of Isaac and Eugenie Herrmann by bequest of May H. Salinger. \$688,798.

**Eleanor Butler Sanders Scholarship Fund (1922).**

By bequest of Henry M. Sanders. \$10,000.

**Anna M. Sandham Scholarship Fund (1922).**

By bequest of Anna M. Sandham to Columbia University. \$10,000.

**Katherine D. Schlayer Scholarship Fund (1975).**

With gifts from Katherine D. Schlayer '43. \$20,000.

**Schmitt-Kanefent Scholarship Fund (1931).**

By bequest of Catherine Schmitt. \$7,101.

**Scholarship Fund (1901).**

By general subscription through the Scholarship Committee of the Board of Trustees. Approximately \$11,980.

**Katherine Flint Shadek Scholarship Fund (1961).**

By Katherine Flint Shadek '44. \$28,000.

**Max Sloman Scholarship Fund (1971).**

By the Trustees out of funds left to the College by Max Sloman. \$10,700.

**Emily James Smith Scholarship Fund (1899).**

In honor of Miss Smith, Dean of Barnard College from 1894 to 1900, by Emily H. Bourne. \$3,000.

**Frances M. Smith Scholarship Fund (1974).**

By the Trustees out of funds left to the College by Frances M. Smith '32. \$199,648.

**George W. Smith Scholarship Fund (1906).**

In memory of George W. Smith, a Trustee of Barnard College, by Mrs. Martha T. Fiske-Collord. \$5,000.

**Edna Phillips Stern Scholarship Fund (1952).**

In memory of Edna Phillips Stern '09, by her family and friends. \$21,797.

**Eleanor Holden Stoddard Fund (1977).**

By the Trustees out of funds left to the College by a bequest of Eleanor Holden Stoddard '05. \$5,000.

**Isabel Greenbaum Stone Scholarship Fund (1957).**

In memory of Isabel Greenbaum Stone '18, by her family. Recipients of these scholarships are urged to repay the amounts they receive as soon as they are in a position to do so. \$23,765.

**Fannie Manwaring Sturtevant and Daniel Dwight Sturtevant Scholarship Fund (1969).**

With a bequest from Ethel G. Sturtevant, former Assistant Professor of English. \$20,000.

**Solon E. Summerfield Foundation Scholarship Fund (1960).**

By gifts from the Solon E. Summerfield Foundation. \$26,500.

**Thrift Shop Scholarships (1938).**

Awarded annually from the proceeds of the Barnard Scholarship Unit of Everybody's Thrift Shop, 330 East 59th Street, New York, N.Y. 10022.

**Miriam Tobias Scholarship Fund (1980).**

By the Trustees out of funds left to the College by a bequest of Miriam Tobias '35. \$62,500.

# Scholarship Funds

## **Veltin School Scholarship Fund (1905).**

By the alumnae of Mlle. Veltin's School. \$3,000.

## **Florence Meyer Waldo Scholarship Fund (1980).**

By the Trustees out of funds left to the College by a bequest of Florence Meyer Waldo '05. \$5,000.

## **Alma F. Wallach Scholarship Fund (1951).**

In memory of Alma F. Wallach from the estate of Richard L. Leo. \$8,477.

## **Dorothy Calman Wallerstein Scholarship Fund (1976).**

By the Trustees out of funds left to the College by a bequest of Dorothy Calman Wallerstein '09. \$71,731.

## **Ella Weed Scholarship Fund (1895).**

In memory of Ella Weed, Chairman of the Academic Committee of the Board of Trustees of Barnard College during the first five years of its existence, by pupils and alumnae of Miss Anne Brown's School. Approximately \$8,602.

## **Hymen and Helen Werner Scholarship Fund (1964).**

In memory of Hymen and Helen Werner. Established by Helen Frankfield Werner '06 in 1953 in memory of her husband. Following her death maintained as the Hymen and Helen Werner Scholarship Fund by her daughters, Therese Werner Kohnstamm '33, Laura Werner Wallerstein '36 and Jean Werner Kane '37. \$12,368.

## Restricted<sup>1</sup>

### **Mary Gertrude Edson Aldrich Fund (1916).**

By Mrs. James Herman Aldrich. For a student, in her senior year, who has shown in her college life the moral qualities which go to the making of fine womanhood. \$1,000.

### **Axe-Houghton Scholarship Fund (1977).**

By the estate of Dorothy Houghton '23. For Barnard students with financial need who have completed at least one-half of the courses required for the Bachelor's Degree, who shall have a cumulative average grade of at least 3.0. \$100,000.

### **Bertha R. Badanes Scholarship Fund (1966).**

By Bertha R. Badanes '14. For children of New York City school teachers preferably from Brooklyn. If there is no qualified candidate the award may be used for another needy student, preferably from Brooklyn. \$25,000.

### **Barnard College Club of Brooklyn Scholarship Fund (1944).**

By the Barnard College Club of Brooklyn. Awarded annually to a student from the Brooklyn area. \$5,041.

### **The Barnard College Club of Detroit Scholarship (1958).**

A tuition scholarship with variable stipend. Preference to be given to a new student from Metropolitan Detroit.

### **Barnard College Club of Houston Scholarship Fund (1969).**

For students from the Houston area. \$18,475.

### **Barnard College Club of New York Scholarship Fund (1952).**

For a Barnard student whose home is outside the area of the City of New York. \$53,570.

### **Barnard-in-Westchester Endowment Fund (1962).**

By the Barnard College Club of Westchester County. Preference to be given to students from Westchester County. \$22,086.

<sup>1</sup>Figures indicate principal of funds as of January 1, 1980.



# Scholarship Funds

## **Barnard School Alumnae Scholarship Fund (1916).**

By the alumnae of the Barnard School for Girls. Preference to be given to nominees of the school. \$4,000.

## **Willina Barrick Memorial Scholarship Fund (1936).**

In memory of Willina Barrick '00, by the College Club of Jersey City. Awarded on the nomination of the Club to a graduate of a Jersey City secondary school. \$10,635.

## **Irving Berlin Scholarship Fund (1950).**

By Irving Berlin. For one or more Barnard students of foreign-born parentage. \$23,500.

## **June Rossbach Bingham Scholarship Fund (1976).**

In honor of June Rossbach Bingham '40, by her family. Awarded to a Barnard student majoring in English, preferably one who is interested in pursuing a writing career. \$13,141.

## **Ida Blair Memorial Fund (1937).**

In memory of Ida Blair by the Women's Democratic Union. For the purchase of books for a student, preferably one studying political science. \$700.

## **Alice Marie-Louise Brett Scholarship Fund (1930).**

In memory of his daughter, Alice Marie-Louise Brett '15, by bequest of Philip E. Brett. For a student, in the senior year, specializing in French. \$10,000.

## **William Tenney Brewster and Anna Richards Brewster Fund (1961).**

By bequest of William Tenney Brewster. To be awarded preferably in amounts not less than \$1,000. \$166,614.

## **Anne Brown Endowment Scholarship Fund (1939).**

In memory of Anne Brown, by the Anne Brown Alumnae Association. For Barnard students from the City of New York. \$31,339.

## **Carpentier Residence Scholarship Fund (1919).**

By request of Horace W. Carpentier. For students who are not residents of New York City or its vicinity. \$200,000.

## **Therese Cassel Scholarship Fund (1973).**

By bequest of Therese Cassel '11. For students who were born in New York City, preferably those whose mothers were born in New York City and attended Barnard College. \$5,000.

## **Eliza Taylor Chisholm Memorial Scholarship Fund (1901).**

By the Alumnae Association of Miss Chisholm's School, which Association reserves the privilege of precedence for such candidates as it may recommend. \$3,000.

## **C.I.T. Financial Corporation Scholarship Fund (1979).**

In honor of Eleanor Thomas Elliott '48. Awarded annually to a student doing distinguished work in economics. If no such student exists in a given year, at the discretion of the College's Scholarship Committee, it may be awarded to a student doing exceptional work in mathematics or political science. \$10,000.

## **Mrs. Henry Clarke Coe Scholarship Fund (1910).**

By the National Society of New England Women, now the New York City Colony of the National Society. Awarded, on nomination of the Chairman of the Scholarship Committee of the New York City Colony, to a student from New England or of New England parentage. After the award is made the Society requires from the beneficiary full obedience to discipline and the highest ideals of scholarship. This may be awarded to an entering freshman. \$3,600.

## **Class of 1919 Decennial Fund (1929).**

A tenth reunion gift by the Class of 1919. For a resident student. \$5,050.

# Scholarship Funds

## **Class of 1926 Emergency Student Aid Fund (1976).**

A fiftieth reunion gift by the Class of 1926. Income to provide emergency financial aid for needy Barnard students. \$11,205.

## **Class of 1949 Scholarship Fund (1974).**

A twenty-fifth reunion gift by the Class of 1949. For an incoming freshman. \$7,783.

## **Babette Deutsch Scholarship Fund (1978).**

In honor of Babette Deutsch's 60th reunion at Barnard College, by gifts from her family and friends. Awarded to Barnard students who have demonstrated exceptional ability in the literary disciplines of poetry, criticism, or translation. \$5,030.

## **Augusta Salik Dublin Scholarship Fund (1960).**

In memory of Augusta Salik Dublin '06, by her family and friends. To enable a student to continue education in preparation for leadership in a field of social welfare, such as social work, social legislation, housing and city planning, or a related area. Available either to a student for undergraduate study or to a graduating student for graduate work, for one or more years. \$13,232.

## **Christine H. Elde Memorial Scholarships (1968).**

Scholarships of up to \$1,000 each awarded biannually to students in their junior year who are majoring in anthropology or in English, with preference given to the former. \$92,133.

## **Educational and Cultural Trust Fund of the Electrical Industry Scholarships (1951).**

By the major electrical contracting firms of New York City. For sons and daughters of members of Local Union No. 3 of the International Brotherhood of Electrical Workers. Variable in number.

## **May Parker Eggleston Scholarship Fund (1972).**

By Mrs. Cary Eggleston '04. For a science student, preferably a student planning to attend medical school. \$6,335.

## **English Scholarship Fund (1920).**

By an anonymous donor. For a student of good standing who is specializing in English. If in any year there is no student specializing in English who is particularly deserving of aid, the scholarship may be used to assist a student majoring in some other subject. \$5,000.

## **Gladys Renshaw Esterbrook Scholarship Fund (1958).**

In memory of her daughter, Gladys Renshaw Esterbrook '20, by bequest of Minnie R. Esterbrook. Preference to be given to students majoring in English or French. \$5,000.

## **Fairfield County Scholarship (1962).**

Preference to be given to entering freshmen from Fairfield County for one year only.

## **Martha T. Fiske Scholarship Fund (1911).**

In memory of her sister, Mrs. Martha T. Fiske-Collord, by Anna E. Smith. For a student who is not a resident of New York City or its suburbs. \$5,000.

## **Helen Jenkins Geer Scholarship Fund (1940).**

In memory of her mother, Helen Jenkins Geer '15, by Helen Hartley Geer '40. Awarded annually, after conference with the donor. \$5,000.

## **German Scholarship Fund (1950).**

See Prizes, page 315.

## **Virginia Gildersleeve International Scholarship Fund (1937).**

In honor of the international work of Dean Emeritus Gildersleeve, by Charles R. Crane. For a foreign student coming to Barnard to study. \$15,100.



# Scholarship Funds

**Virginia C. Gildersleeve Scholarship Fund (1968).**

In memory of Dean Emeritus Gildersleeve by the Class of 1923 on their forty-fifth reunion. For a student majoring in the humanities, preference to be given to an English major. \$6,605.

**Julius Held Scholarship Fund (1970).**

By gifts of alumnae and other friends. For a deserving student majoring in Art History. \$36,121.

**Emma Hertzog Scholarship Fund (1904).**

With gifts from residents of Yonkers, New York. Awarded in conference with the faculty of the Yonkers High School, to a graduate of that school. \$3,000.

**Marion Alice Hoey Fund (1944).**

In memory of Marion Alice Hoey '14, by Nellie Poorman. Preference to be given to students studying Greek and Latin. \$2,000.

**Hannah and Henry Hofheimer Scholarship Fund (1975).**

In honor of Hannah Hofheimer '09. By her family and friends in honor of her 90th birthday and 70th reunion at Barnard. Awarded annually to a Barnard freshman. \$14,675.

**Holland Dames Scholarship Fund (1915).**

In honor of Fanny I. Helmuth, by the Society of Daughters of Holland Dames. Awarded in conference with a representative of the Society to a student descended from the early Dutch settlers.

**Lillia Babbitt Hyde Scholarship Fund (1953).**

By the Lillia Hyde Foundation. For premedical students. \$25,000.

**Charlotte Louise Jackson Scholarship Fund (1928).**

In memory of Charlotte Louise Jackson, by bequest of her sister, Fannie A. Jackson. For a graduate of a Yonkers High School selected or under the direction of the Board of Education of Yonkers. \$5,000.

**Mary E. Larkin Joline Scholarship Fund (1927).**

By bequest of Mary E. Larkin Joline. For a student who is specializing in music. \$10,000.

**Werner Josten Scholarship Fund (1955).**

With a gift from Mrs. Werner Josten. Preference to be given to a student majoring in music. If in any year no such student is eligible, the scholarship may be awarded to a student majoring in some other field. \$25,916.

**Jessie Kaufmann Scholarship Fund (1902).**

In memory of his daughter, Jessie Kaufmann, by Julius Kaufmann. Awarded on the merits of entrance examinations to a student who, after careful investigation, is found to have no relative able to offer financial assistance. It may be held for the entire college course. \$4,000.

**Kimball Scholarship Fund (1938).**

By bequest of Lillian Emma Kimball. Awarded to a student from Spain or one of the Spanish-American countries who shall pursue a year of graduate or undergraduate study at Barnard or elsewhere, under the direction of the Barnard Department of Spanish. \$32,883.

**Eleanor Kinnicutt Scholarship Fund (1911).**

In memory of Mrs. Francis P. Kinnicutt, a Trustee of Barnard College. Awarded at the end of the freshman year to a student of exceptionally high standing, it may be held for three years, provided the recipient continues to maintain a high rank. \$5,000.

**Dr. Ann G. Kuttner Scholarship Fund (1969).**

By the Trustees out of funds left to the College by the life income contract and bequest of Dr. Ann G. Kuttner for financial aid, preferably to premedical students. \$217,008.

# Scholarship Funds

## **Bernard Liberman Scholarship Fund (1979).**

In memory of Bernard Liberman, by his brother Saul B. Liberman. Awarded annually to pre-medical students at Barnard College. \$10,029.

## **Carolina Marcial-Dorado Scholarship Fund (1953).**

In memory of Professor Carolina Marcial-Dorado, for many years head of the Barnard College Department of Spanish. Awarded to a student from Spain, or to a Spanish major continuing graduate studies in the United States or abroad. If at any time there is no applicant eligible for the grant, it may at the discretion of the department be awarded to a student who is majoring in Spanish. \$17,193.

## **Raphael Marino Scholarship Fund (1977).**

In memory of Raphael Marino, by his sister Michele Steinbock. For a female student interested and proficient in the Italian language, Italian literature or art, or in Italian culture. \$5,000.

## **Eugene F. and Minnie Gouger McGowan Scholarship Fund (1955).**

By an anonymous donor. Preference to be given to candidates from Mecklenburg County, North Carolina. If in any year no such candidate is eligible, the scholarship may be awarded to a student or students from other areas. \$10,000.

## **Fannie Moulton McLane Scholarship Fund (1961).**

By bequest of Fannie Moulton McLane '07. Awarded for tuition to deserving students who are citizens of the United States of America, with preference to those, if any, who satisfactorily establish that they are of Colonial or Revolutionary ancestry, or the descendants of a Civil War soldier. \$7,500.

## **Mrs. Donald McLean Scholarship Fund (1906).**

By the New York City Chapter of the Daughters of the American Revolution. Awarded, in conference with a representative of the Chapter, to a student who agrees to pursue the study of history (chiefly that of the United States) continuously throughout college. \$3,000.

## **Ferry Starr Morgan Scholarship Fund (1959).**

In memory of her father, by bequest of Grace B. Morgan '19. For a student who is majoring in music or philosophy. \$10,000.

## **Lawrence Morris Scholarship Fund (1968).**

In memory of Lawrence Morris by his sister Mrs. Walter Sturges (Alice Morris '36) and other members of the family. Preference to be given to a nominee of the New York City Mission Society. \$11,590.

## **Lucy Moses Scholarship Fund (1975).**

With a gift from Lucy Moses. Awarded to a pre-medical Barnard student. \$10,000.

## **Julia Fisher Papper Scholarship Fund (1974).**

In memory of Julia Fisher Papper '37, by her husband Dr. Emanuel Papper and friends. Awarded to a senior of superior academic standing who has demonstrated high motivation in work at the College. \$8,530.

## **Mary Barstow Pope Scholarship Fund (1913).**

In memory of Mary Barstow Pope, teacher in Miss Chapin's School, by her friends, her fellow teachers, and her pupils. Awarded on the nomination of a self-perpetuating committee representing the founders. \$4,000.

## **Public Service Scholarship Fund (1934).**

By the Women's Organization for National Prohibition Reform. Awarded to Barnard students of exceptional ability, interested in following a career of public service in the field of political science, who show special promise of future usefulness in the public service. Awarded at the discretion of the Faculty of Barnard College to one or two students in their junior or senior



# Scholarship Funds

years. In the case of a particularly promising student the Faculty may, at its discretion, extend the award to cover one, two, or three additional years of graduate study at an approved college or university in order to encourage students of exceptional ability to complete a course of study which will fit them for service in public life. \$30,000.

## **Lucille Pulitzer Scholarship Fund (1899).**

In memory of his daughter, Lucille Pulitzer, by Joseph Pulitzer. Three are restricted to students from the City of New York, eight are for resident students. \$176,459.

## **Marie Reimer Scholarship Fund (1953).**

See Prizes, page 312.

## **Amelia Agostini de del Rio Scholarship Fund (1955).**

In honor of Amelia de del Rio, Chairman of the Department of Spanish from 1942 to 1962. Awarded to a student from Mrs. de del Rio's native island of Puerto Rico. If at any time there is no applicant from Puerto Rico eligible for the grant, it may, at the discretion of the department, be awarded to a student who is majoring in Spanish. \$21,333.

## **Lesley Jane Rosen Memorial Scholarship Fund (1975).**

In memory of Lesley Jane Rosen '71, by her mother Rita J. Rosen. For an outstanding Barnard student who shows leadership quality and whose subject of interest is urban studies and/or political science. \$5,160.

## **Dr. Harry Rosenstein Scholarship Fund (1967).**

In memory of Dr. Harry Rosenstein by his wife, Bertha Z. Rosenstein, and daughter, Gertrude L. Rosenstein '48. For a premedical student. \$5,000.

## **Joan Rosof Scholarship Fund (1964).**

In honor of Joan Rosof '61, by her father, Mr. Murray Rosof. For qualified students with the wish, but not the directive, that preference be given to his descendants or, in the absence thereof, to students from the State of New York. \$5,340.

## **Felix St. George Scholarship (1955).**

In memory of her father, Felix St. George, by bequest of Ida St. George. For an incoming freshman whose subject of interest is a science or premedical course, more particularly physics, chemistry, or biology. \$7,455.

## **Dorothy K. Scheidell Scholarship Fund (1965).**

In memory of Dr. Dorothy K. Scheidell '28, by her family, classmates and friends. For a premedical student. If in any year no student qualifies for the award, it may be deferred until the following year. If no student qualifies over a three-year period, the accumulated income may be awarded to any able student with financial need. \$5,665.

## **Lillian Schoedler Scholarship Fund (1967).**

By bequest of Lillian Schoedler '11. Income and/or principal awarded to deserving students with financial need who have shown promise of qualities of leadership and/or potentialities for future civic or social usefulness. Awards preferably distributed in small amounts to many students. \$65,860.

## **Margarete Schwabe Scholarship Fund (1974).**

In memory of Dr. Margarete Schwabe by gifts from her daughter, Dr. Monika M. Eisenbud. For a premedical Barnard student with outstanding ability and idealism. \$6,025.

## **Clarice Ann Smith Scholarship Fund (1973).**

By bequest of Clarice Ann Smith '18. For students who in the judgment of the Trustees and Faculty give promise of excellence in the field of literature and composition. \$168,101.

## **Fred Curtis Smith Memorial Scholarship Fund (1955).**

In memory of Fred Curtis Smith, at the time of his death Vice President and Mortgage Officer of the Bowery Savings Bank. \$57,000.

# Scholarship Funds

## **Marion Wesley Smith Scholarship Fund (1978).**

By a bequest from Lillian W. Wild in memory of Marion Wesley Smith '29. Awarded to Barnard students majoring in Anthropology. \$21,296.

## **Hilda Staber Scholarship Fund (1967).**

By bequest of Hilda Staber '05. For foreign students of character and ability.

## **Estella Raphael Steiner Scholarship Fund (1972).**

With gifts from Mrs. G. Gustav Steiner '23. For a senior of exceptionally high scholastic standing in Biological Sciences who plans to engage in research in that field. \$10,583.

## **Beatrice L. Stern Memorial Scholarship Fund (1977).**

By bequest of Ruth E. Weill. For a junior or senior Barnard student majoring in the life sciences or in the area of intergroup relations with special emphasis on those problems affecting minority welfare and acceptance in the American scene. \$130,544.

## **Marion Levi Stern Scholarship Fund (1977).**

In memory of Marion Levi Stern '20, by her family. For one or two Barnard freshmen, sophomores, juniors, or seniors in need of financial aid, provided that, if possible and appropriate, the award be made to a student with an interest in the social sciences, such as history, economics, or political science and provided further that the award may be held for a period of up to four years so long as the recipient continues to maintain a good record in the opinion of Barnard's administration. \$75,545.

## **Emma A. Tillotson Scholarship Fund (1910).**

By Mrs. Luther G. Tillotson. Awarded at the end of the freshman year to a student of exceptionally high standing. It may be held for three years, provided the recipient continues to maintain a high rank. \$5,000.

## **Clara Bittenwieser Unger Memorial Fund (1938).**

In memory of his daughter, Clara Bittenwieser Unger '13, by Joseph L. Bittenwieser. To assist through the senior year a student whose subject of major interest is government, and who shows promise of ability to contribute to the promotion and perpetuation of true democracy under our Constitution. \$2,500.

## **Helen Elizabeth Vosburgh Scholarship Fund (1934).**

In memory of Helen Elizabeth Vosburgh '25, by bequest of Katherine G. Lippke. Preference to be given to a self-supporting student. \$5,000.

## **Gertie Emily Gorman Webb Scholarship Fund (1953).**

By Charles Webb. For a student nominated by the Department of History. \$4,990.

## **Esther Lensh Weisman Scholarship Fund (1979).**

In memory of Esther Lensh Weisman '24. By her husband Jacob Weisman. Awarded annually preferably for a student majoring in English. \$5,000.

## **Allison Wier Scholarship Fund (1977).**

By a bequest of Allison Wier '29. For a Barnard student or students who are residents of Westchester County. \$24,000.

## **Elsa P. Wunderlich Scholarship Fund (1978).**

By bequest of Elsa P. Wunderlich '12. Awarded to a German exchange student. \$3,000.

## **Alma Gluck Zimbalist Scholarship Fund (1940).**

By bequest of Alma Gluck Zimbalist. For a student who wishes to major in political science. \$10,000.











## XVI. Honors

The following funds were established to honor those who have shown exceptional distinction in their chosen field of study.

### Fellowships<sup>1</sup>

**Associate Alumnae of Barnard College Graduate Fellowship (1963).**

Awarded annually to a graduate who shows exceptional promise in her chosen field of work. Income on \$50,000. Information and applications may be obtained in the Alumnae Office, 115 Milbank.

**Anne Davidson Fellowship Fund (1971).**

In honor of Anne Davidson by the R.W. Davidson family and friends. Awarded at the discretion of the faculty committee of the **Program on Environmental Conservation and Management** to a graduating senior who has demonstrated continuing interest in the study of conservation. The holder is to pursue a year's graduate study in conservation at Columbia University or any other university of approved standing. \$24,083.

**George Welwood Murray Graduate Fellowship Fund (1930).**

By George Welwood Murray. Awarded as an academic honor to that member of the graduating class of Barnard College who, in the opinion of the Faculty, shows most promise of distinction in her chosen line of work in the field of the **humanities** and/or the **social sciences**. Should the recipient prove in no need of financial assistance, she may retain the title and honor but resign the income, which may then be used by the College for other fellowships or scholarships. Students who have graduated in February are eligible as well as those who are to graduate in June. The holder is to pursue a year of graduate study at Columbia or any other university or college of approved standing. \$20,000.

<sup>1</sup>Figures indicate principal of funds as of January 1, 1980.

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## **Josephine Paddock Fellowship Fund (1976).**

By a bequest from the estate of Ethel Louise Paddock. Awarded annually to a member of the graduating class of Barnard College who, in the opinion of the faculty, has shown the most promise of distinction in such field or graduate study in art as the Faculty shall determine. The holder is to pursue her studies preferably abroad at a college or university of approved standing, but may at her election pursue such studies in the United States. \$105,521.

## **Grace Potter Rice Fellowship Fund (1935).**

In memory of his wife, Grace Potter Rice, Instructor and Assistant Professor of Chemistry at Barnard from 1918 to 1934, by Winthrop Merton Rice. Awarded as an academic honor to the member of the graduating class of Barnard College who, in the opinion of the Faculty, shows the most promise of distinction in her chosen line of work. Should the recipient prove in no need of financial assistance, she may retain the title and honor but resign the income, which will then be used for other fellowships or scholarships. Students who have graduated in February are eligible as well as those who are to graduate in June. The holder is to pursue a year of graduate study in the **natural sciences or mathematics** at Columbia or any university or college of approved standing. \$24,000.

## **Alpha Zeta Club Graduate Scholarship Fund (1936).**

By the Alpha Zeta Club, Inc. Awarded at the discretion of the Faculty as an academic honor to a member of the graduating class of Barnard College who, in their opinion, shows promise of distinction in her chosen line of work. It may also be awarded to an outstanding recent Barnard graduate who is a candidate for a higher degree. \$21,038.

## **William Mason Scholarship (1928).**

The William Mason Scholarship in **music** is awarded periodically on recommendation of the Department of Music to a member of the graduating class of Barnard or Columbia College for graduate studies in music. An award of \$500.

## Prizes<sup>1</sup>

### **General**

#### **Estelle M. Allison Prize Fund (1937).**

By bequest of Estelle M. Allison. Awarded to a student for excellence in literature. \$1,001.

#### **Mary E. Allison Prize Fund (1937).**

In memory of her mother, Mary E. Allison, by bequest of Estelle M. Allison. Awarded to a student for general excellence in scholarship. \$1,001.

#### **Frank Gilbert Bryson Prize (1931).**

In memory of Frank Gilbert Bryson, by bequest of Ella Fitzgerald Bryson '94. The President of the College shall fix the method of selecting a senior who, in the opinion of the class, has given conspicuous evidence of unselfishness and who has made the greatest contribution to Barnard during the college years. \$3,000.

#### **The Columbia University Press Prize.**

A copy of the Columbia Encyclopedia is awarded by the Columbia University Press to the member of the sophomore class who has done the best writing for Barnard Bulletin.

#### **Eleanor Thomas Elliott Prizes (1973).**

In honor of Eleanor Thomas Elliott '48, established by Mr. John Elliott, Jr. Awarded annually as two prizes, the first to be \$1,500 and the second \$1,000, to two students in the junior class, as chosen by the Honors Committee from among the five most outstanding students in the class based upon overall academic record, integrity and good citizenship in the College, the balance of the income to be applied as a financial aid award to another deserving student or students. \$25,500.

<sup>1</sup>Figures indicate principal of funds as of January 1, 1980.



**Katharine Reeve Girard Prize (1964).**

In memory of Katharine Reeve Girard '33, by her husband, Professor Richard A. Girard, and her friends. Awarded by the Faculty Committee on Honors to a student whose interests are in the international aspects of a major. \$2,500.

**Ann Barrow Hamilton Memorial Prize in Journalism (1978).**

In memory of Ann Barrow Hamilton '70, by her husband, family, and friends. Awarded annually to a graduating senior who is planning to pursue a career in the field of journalism and who is judged by the Honors Committee to show the most promise of success in that field based on scholarship, writing ability, and desire to succeed. \$3,971.

**The Margaret Holland Bowl (1974).**

In memory of Margaret Holland, Professor Emeritus, and Chairman of the Department of Physical Education from 1945 to 1964. Awarded annually for excellence in leadership and participation in the Recreation and Athletic Association.

**Margaret Meyer Graduate Scholarship Fund (1952).**

In memory of Margaret Meyer Cohen '15, by bequest of Annie Nathan Meyer. Awarded to a student in the graduating class for instruction in secretarial work. \$3,000.

**Marian Churchill White Prize Fund (1975).**

In memory of Marian Churchill White '29, permanent class president, alumnae president, alumnae trustee, and author of *A History of Barnard College* (1954), by her classmates and other friends. Primary intention: to honor the combination of scholarly promise and service to class and college exemplified by Marian Churchill as an undergraduate. A prize of \$500 awarded annually to an outstanding Barnard student in the sophomore class who has participated actively in student affairs, as selected by the Faculty Committee on Honors. The balance of the income to be designated as a grant to the same student if she qualifies for financial aid on the basis of need; if not, to an alternate of comparable merit who does so qualify. \$52,334.

## Premedical

**Helen R. Downes Prize (1964).**

In honor of Professor Emeritus Helen R. Downes '14, Chairman of the Barnard College Department of Chemistry from 1945 to 1960, by former students and friends. Awarded at the end of her senior year to the student who, in the opinion of the Premedical Committee, shows greatest promise of distinction in medicine or the medical sciences. \$1,958.

**The Michael T. Glynne Memorial Prize (1971).**

By Linda A. Glynne '71. A prize of \$100 awarded annually to the senior accepted by a medical school who has demonstrated outstanding achievement in the humanities and the social sciences as a non-science major.

**Ida and John Kauderer Prize Fund (1973).**

Awarded annually to a premedical Barnard student majoring in chemistry. \$1,500.

## Art History

**Virginia B. Wright Art History Prize Fund (1969).**

Awarded annually to the most promising senior majoring in Art History. \$1,540.

## Biological Sciences

**Edna Henry Bennett Memorial Fund (1927).**

In memory of Edna Bennett '15, Lecturer in Zoology, by her friends. Awarded by the Department of Biology for work at a biological laboratory offering summer courses. \$1,640.

# Honors

## **Herrman Botanical Prize Fund (1892).**

By Mrs. Esther Herrman. Awarded to the most proficient undergraduate student in biology. \$1,000.

## **The Herbert Maule Richards Fund (1933).**

In memory of Professor Richards, a member of the Department of Botany from 1896 to 1928 and Chairman from 1897 to 1928, by the Barnard Botanical Club, former students, and friends. Granted from time to time to further botanical research, under the direction of an approved institution, to a student or graduate of Barnard College. \$5,000.

## **Von Wahl Prize (1915).**

In memory of Constance von Wahl '12, President of the Undergraduate Association. Awarded to a student for excellence in biology, on the understanding that it is to be used to continue advanced work in that field. If in any year no student stands out as eminently deserving of the prize, it is not awarded. \$1,300.

## **Chemistry**

### **American Institute of Chemists, New York Chapter.**

Awarded annually to the outstanding student of chemistry who will continue the study of chemistry. A one-year subscription to "The Chemist," and a certificate of honor.

### **Helen R. Downes Prize (1964).**

See Premedical listing.

### **Ida and John Kauderer Prize (1973).**

See Premedical listing.

### **Marie Reimer Scholarship Fund (1953).**

In honor of Professor Emeritus Marie Reimer, for many years Chairman of the Barnard College Department of Chemistry, by former students and friends. Awarded annually at the end of the junior year to an outstanding student majoring in chemistry. In case the winner does not need financial help, the award shall be a prize, the amount to be recommended by the Chemistry Department. The balance of the income shall be awarded by the Director of Financial Aid to an outstanding student at the end of the junior year who is majoring in chemistry and who has financial need. The students receiving financial aid from this fund shall be informed of the source of the award. \$25,100.

## **Economics**

### **The American Statistical Association Prize, New York Area Chapter (1960).**

Awarded annually to the outstanding undergraduate student in statistics. A one-year student membership in the American Statistical Association and \$50.

### **Katharine E. Provost Memorial Prize Fund (1949).**

In memory of Katharine E. Provost. Miss Provost was for twenty-three years Secretary and Assistant to the Controller of Barnard College and, at the time of her death, Superintendent of Buildings and Grounds. Awarded for superior work by an undergraduate major in economics. \$1,000.

### **Sylvia Kopald Selekmán Prize Fund (1960).**

In memory of Sylvia Kopald Selekmán '20, by Janet Robb. Awarded by the Department of Economics to the freshman who is doing the best work in introductory economics. \$1,000.

## **Education**

### **Stephanie Kossoff Prize (1972).**

In memory of Stephanie Kossoff, by her family. A prize of \$100 awarded annually to the student who has made the most noteworthy contribution or meaningful endeavor in early childhood education.



## English

### **Saint Agatha-Muriel Bowden Memorial Prize Fund (1971).**

By the Saint Agatha Alumnae Association in memory of its school principal from 1930 to 1940. Awarded for superior proficiency in the study of Chaucer and Medieval Literature. \$1,600.

### **Cabell Greet Prize Fund (1974).**

By family and friends. Awarded to a major for excellence in English. \$2,380.

### **The Elizabeth Janeway Prize for Prose Writing.**

A prize of \$500 awarded annually. Open to all undergraduates for a work of prose, whether fiction or non-fiction, which gives the greatest evidence of creative imagination and sustained ability. The final manuscripts must be submitted to the Chairman of the Department of English by March 1. The prize will be given at the discretion of a board of three judges chosen by the College and the donor.

### **Amy Loveman Memorial Fund (1956).**

In memory of Amy Loveman '01, by her friends and classmates. First charge on the income shall be an annual prize of \$100 for the best original poem by a Barnard undergraduate. Terms of the competition will be announced by the Department of English. The balance of the income shall be allocated to scholarships and shall be known as the Amy Loveman Scholarship. \$20,100.

### **Lenore Marshall Barnard Prizes (1975).**

In memory of Lenore Marshall, by The New Hope Foundation. For authors of the best prose and the best poetry published in a literary magazine of the College. Adjudged by the English Department with the aid of such students as it may select. Two at \$200 each. \$5,000.

### **Sidney Miner Poetry Prize Fund (1962).**

In memory of Sidney Louise Miner '14, by bequest of Rosemary Alice C. Thomas. Awarded annually by the Department of English to the senior major who has shown distinction in the reading, writing, and study of poetry. \$5,000.

### **The Helen Prince Memorial Prize Fund (1921).**

In memory of his daughter, Helen C. Prince '22, by Julius Prince. Awarded by the Department of English to an undergraduate student for excellence in dramatic composition. \$1,200.

### **Stains-Berle Prize Fund in Anglo-Saxon (1968).**

In memory of her grandmothers, Caroline Fox and Katherina Mohrherr Berle, and in honor of Professor Cabell Greet, by Katherine G. Stains '52. Awarded annually to an undergraduate student for excellence in Anglo-Saxon language and literature. \$1,000.

### **The Academy of American Poets Prize. (Columbia University).**

A prize of \$100, established by the Academy of American Poets for the best poem or group of poems by a student. Awarded by the Department of English of Columbia University at the close of the Spring Term. Manuscripts should be submitted prior to March 15. For further information consult the Chairman of the Department of English and Comparative Literature of the University.

### **The Bunner Medal (Columbia University).**

The H.C. Bunner Gold Medal, in memory of Henry Cuyler Bunner, is awarded at Commencement to the candidate for a Columbia degree who shall present the best essay on any topic dealing with American literature selected in connection with course or seminar work in American literature and approved by the Chairman of the Bunner Prize Committee. For additional information consult the Departmental Representative for English and Comparative Literature of Columbia University.

# Honors

## **Van Rensselaer Prize. (Columbia University).**

To the candidate for a degree in Columbia University who is the author of the best example of English lyric verse. Material must be submitted by April 1. Applicants should submit not more than three poems of their own choice, aggregating not more than twenty pages. Income of the Marianna Griswold Van Rensselaer Fund, about \$50. For additional details consult the Department of English and Comparative Literature.

## **George Edward Woodberry Prize. (Columbia University).**

By the Woodberry Society as a memorial to George Edward Woodberry. Awarded every second year to an undergraduate student of the University for the best original poem. Material must be submitted by April 1. Value of prize about \$100. For additional details consult the Department of English and Comparative Literature.

## **Environmental Conservation and Management**

### **Henry Sharp Prize Fund (1970).**

In memory of Henry Sharp, Professor of Geology at Barnard College from 1941 to 1967, by gifts of alumnae, family and friends. Awarded annually to an outstanding student majoring in the Program on Environmental Conservation and Management. \$2,930.

## **French**

### **Helen Marie Carlson French Prize Fund (1965).**

In memory of Helen Marie Carlson by her family and friends. Awarded to the student who writes the best composition in fourth-term French (French 4), the course which Miss Carlson directed for many years, or a similar course at the discretion of a board of three judges chosen by the College. \$3,016.

### **Isabelle de Wyzewa Prize Fund (1972).**

In memory of Isabelle de Wyzewa by her family and friends. Awarded to the student who writes the best composition in the French course, *Masterpieces of Literature from the Middle Ages to the Twentieth Century*, which Professor de Wyzewa directed for many years. \$1,000.

### **Frederic G. Hoffherr French Prize Fund (1961).**

In memory of Frederic G. Hoffherr, Associate Professor of French from 1936 to 1955. Awarded annually to a student in intermediate French (Course 3) for excellence in oral French. The prize is offered to encourage proficiency among students who are not themselves of French background. The winner is chosen on the basis of a contest sponsored by the French Department. \$1,025.

### **Linda Joan Israel Prize in French (1977).**

In memory of Linda Joan Israel '65. By her parents, Mr. and Mrs. Justinian Israel. Awarded annually to a senior French major for work done in the course *Advanced Oral French*, or, as an alternative, in the course *Advanced Translation into French*. In the absence of both of the above courses, the prize will be given for work in an advanced French poetry course. \$50.

### **Eleanor Keller Prizes (1968).**

By bequest of Marguerite Mespoulet, Professor Emeritus of French at Barnard College, in memory of Eleanor Keller, Professor of Chemistry at Barnard College. One prize, not exceeding \$1,000, to be awarded annually to a member of the junior class, not necessarily a French major, who has an outstanding record in courses of French literature offered by the department. Another prize, not exceeding \$1,000, to be awarded annually to a member of the senior class, not necessarily a French major, who has an outstanding record in courses concerned with French culture. \$43,517.



## **Rosemary Thomas Prize Fund in French (1966).**

In honor of the poet Rosemary Thomas, by bequest of Helen Marie Carlson, a long-time member of the Barnard College French Department. Awarded annually to the undergraduate student preferably, but not necessarily, a French major, who, in the opinion of the members of the Barnard College French Department, has shown the greatest evidence of a special sensitivity and awareness in the study of French poetic literature. \$10,050.

## **Geography**

### **Lillian Berle Dare Prize Fund (1974).**

Awarded annually to the most proficient Barnard senior majoring in geography who will continue to study in a related field. \$1,000.

## **German**

### **Dean Prize in German (1952).**

By Edward D. Adams for the promotion of the study of German language and literature in Barnard College. Awarded to that member of the senior class who has throughout college done the best work in German language and literature. \$1,000.

### **German Scholarship Fund (1950).**

Awarded at the end of the junior year to an outstanding student majoring in German. In case the winner does not need scholarship help, the award shall be a prize of \$100 and the balance of the scholarship may be given to another able student majoring in German. If in any year no student qualifies for the award, it may be deferred and given to one or more qualified students at a later date. \$13,200.

## **Greek and Latin**

### **Earle Prize in Classics. (Columbia University).**

A prize of \$150, in memory of Mortimer Lamson Earle, Instructor in Greek in Barnard College from 1889 to 1895 and from 1898 to 1900 and Professor of Classical Philology from 1900 to 1905. Awarded to a candidate for the degree of Bachelor of Arts, for excellence in sight translation of passages of Greek and Latin. For further information consult Professor James A. Coulter.

### **Jean Willard Tatlock Memorial Prize Fund (1917).**

In memory of Jean Willard Tatlock '95 by her friends. Awarded to the undergraduate student most proficient in Latin. \$1,250.

## **History**

### **Eugene H. Byrne History Prize Fund (1960).**

In memory of Eugene H. Byrne, Professor of History at Barnard College and Executive Officer of the Department from 1931 to 1949, by his wife, Janet M. Byrne, and friends. Awarded for superior work to an undergraduate majoring in history. \$3,604.

### **The Jenny A. Gerard Medal (1908).**

By the Society of the Colonial Dames of America in memory of Mrs. James Gerard, late President of the Society. Awarded annually to the student who is most proficient in Colonial history.

## **Italian**

### **Bettina Buonocore Salvo Prize Fund (1966).**

By bequest of Bettina Buonocore Salvo '16. Awarded annually to a deserving graduate or other student studying Italian, selected by the Department of Italian. \$5,000.

# Honors

## **Speranza Italian Prize Fund (1911).**

In memory of Carlo Leonardo Speranza, Instructor and Professor of Italian at Barnard College from 1890 to 1911, by a former student. Awarded to a student for excellence in Italian. \$1,000.

## **Mathematics**

### **Margaret Kenney Jensen Prize Fund (1973).**

In memory of Margaret Kenney Jensen '09, by Miss Evelyn H. McCaskie. Awarded annually, preferably to a freshman, sophomore, or junior for excellence in mathematics. \$5,000.

### **Kohn Mathematical Prize (1892).**

By Mrs. S.H. Kohn. Awarded to a senior for excellence in mathematics. Competitors for this prize must have pursued mathematics continuously during the college course. \$1,000.

## **Music**

### **Robert Emmett Dolan Prize. (Columbia University).**

A cash prize awarded annually by the Department of Music to help a student in any division of the University in paying for instruction on a chosen musical instrument. The award was established by an anonymous donor in memory of Robert Emmett Dolan.

## **Oriental Studies**

### **Tarakanath Das Foundation Prize in Oriental Studies. (Columbia University).**

A prize of \$50 awarded annually to a student in Barnard College, Columbia College, or the School of General Studies, for excellence in Oriental Studies.

## **Philosophy**

### **The William Pepperell Montague Prize Fund (1949).**

By William P. Montague, Lecturer, Instructor, and Professor of Philosophy at Barnard College from 1903 to 1949. Awarded to a student of Barnard College who, in the opinion of the members of the Department of Philosophy, shows promise of distinction in the field of philosophy. \$5,441.

## **Physics**

### **Henry A. Boorse Prize Fund (1974).**

By alumnae and friends of Dean Boorse on his retirement. Awarded annually to the most promising Barnard sophomore in Physics. \$6,302.

## **Political Science**

### **Phoebe Morrison Memorial Prize Fund (1969).**

Awarded upon recommendation of the Barnard College Political Science Department to a political science major planning to attend law school. \$1,595.

### **James Gordon Bennett Prize. (Columbia University).**

A prize of \$175 established through a gift from James Gordon Bennett may be awarded by the Faculty of Political Science, with the approval of the Chairman of the Bennett Prize Committee, for the best essay upon some subject of contemporary interest in the domestic or foreign policy of the United States. The competition is open to students not holding a Bachelor's degree who pursue satisfactory courses in political science. Manuscripts should be submitted prior to the last day of classes of the Spring Term. For additional information consult Professor Joseph A. Rothschild.



## **The Caroline Phelps Stokes Prize. (Columbia University).**

The Caroline Phelps Stokes Prize of \$100 is awarded at Commencement to that student who has been a degree candidate for at least one academic year in Columbia College or Barnard College and who has written the best essay on any topic approved by the Stokes Prize Committee, which has been presented in course or seminar work. Material should be submitted by January 1. For additional information consult the Departmental Representative for Political Science.

## **Psychology**

### **The American Statistical Association Prize, New York Area Chapter (1960).**

See Economics listing.

## **Religion**

### **Samuel Dornfield Prize Fund (1979).**

In memory of Samuel Dornfield, by his niece Helene Farber de Aguilar '66. Awarded annually at the discretion of the Religion Department, to a Barnard student whose work in Old Testament or Ancient Near Eastern Studies reflects special sensitivity and academic excellence. \$100.

### **Caroline Gallup Reed Prize Fund (1916).**

In memory of her mother, Mrs. Sylvanus Reed, by Mrs. William Barclay Parsons for the recognition of outstanding work either in the field of the origin of Christianity and early church history or in the general field of the history and theory of religion. Awarded to the student who shows the highest excellence in one of these fields of work. The award is made partly on the basis of an essay to be handed in by April 1. Details regarding the scope of the essay may be obtained from the Department of Religion. \$1,000.

## **Russian**

### **Alice Levin Sokolik Prize in Russian (1976).**

In memory of Alice Levin Sokolik '65. Awarded annually at commencement to the student who, in the course of her studies, has demonstrated the greatest love for the Russian language and literature. \$50.

## **Spanish**

### **The John Bornemann Prize in Spanish (1976).**

In memory of John Bornemann by his wife. A book or books awarded annually to a student or students for superior performance in the first or second year language courses.

### **Spanish Prize (1959).**

A prize of \$100 awarded annually to a Spanish major who, in the opinion of the Department, has done the most distinguished work in Spanish language and literature. \$2,500.

### **Susan Huntington Vernon Prize. (Seven Colleges).**

A prize of about \$25, the annual income of the fund established in 1941 by pupils and friends of Mrs. Vernon, in tribute to her work at the Hispanic Institute, and augmented by her in 1943. The prize is awarded, on recommendation of the Chairman of the Department of Spanish, for the best original essay written in Spanish by a senior whose native language is not Spanish, but who is taking language courses at Barnard, Bryn Mawr, Mount Holyoke, Radcliffe, Smith, Vassar, or Wellesley.

## **Urban Studies**

### **Suzanne Farkas Urban Affairs Prize (1972).**

By Mr. Robin Farkas. A prize of \$500 awarded annually for the best essay in Urban Affairs.

XVII. Statistics

|                                | 1889 | 1899 | 1909 | 1919 | 1924 | 1929 | 1934 | 1939 | 1944 | 1949 | 1954 | 1959 | 1964 | 1969 | 1974 | 1975 | 1976 | 1977 | 1978 | 1979 | 1980 |
|--------------------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| to                             |      |      | to   | to   | to   | to   | to   | to   | to   | to   | to   | to   | to   | to   | to   | to   | to   | to   | to   | to   | to   |
| 1890                           | 1900 | 1910 | 1920 | 1925 | 1930 | 1935 | 1940 | 1945 | 1950 | 1955 | 1960 | 1965 | 1970 | 1975 | 1976 | 1977 | 1978 | 1979 | 1980 |      |      |
| <b>Undergraduates, Regular</b> |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |
| Seniors                        | 40   | 62   | 87   | 126  | 227  | 181  | 164  | 208  | 260  | 245  | 325  | 355  | 433  | 572  | 553  | 517  | 553  | 497  | 595  |      |      |
| Juniors                        | 40   | 122  | 190  | 259  | 237  | 220  | 191  | 314  | 277  | 340  | 356  | 414  | 480  | 554  | 486  | 531  | 551  | 592  | 601  |      |      |
| Sophomores                     | 37   | 109  | 193  | 234  | 247  | 226  | 210  | 314  | 272  | 317  | 352  | 391  | 517  | 488  | 469  | 511  | 511  | 535  | 560  |      |      |
| Freshmen                       | 14   | 54   | 188  | 224  | 271  | 311  | 267  | 246  | 324  | 271  | 304  | 385  | 415  | 485  | 437  | 453  | 464  | 535  | 600  | 636  |      |
| Unclassified students          |      |      |      | 57   | 54   | 103  | 143  | 56   | 17   | 1    | 9    | 8    | 21   | .... | 4    | 2    | —    | .... | .... | .... |      |
| 14                             | 171  | 481  | 694  | 947  | 1076 | 997  | 954  | 1216 | 1097 | 1207 | 1427 | 1583 | 1936 | 2051 | 1965 | 2025 | 2150 | 2224 | 2392 |      |      |
| <b>Special Students:</b>       |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |
| Matriculated                   | 21   | 24   | 39   | .... | .... | .... | .... | .... | .... | .... | .... | .... | .... | .... | .... | .... | .... | .... | .... | .... |      |
| Nonmatriculated                | .... | 30   | 22   | 33   | 28   | 29   | 31   | 21   | 15   | 20   | 28   | 19   | 22   | 23   | 40   | 41   | 40   | 48   | 36   |      |      |
| Departmental (1889-1896)       | 22   | .... | .... | .... | .... | .... | .... | .... | .... | .... | .... | .... | .... | .... | .... | .... | .... | .... | .... | .... |      |
| Music Students (1896-1905)     | .... | 41   | .... | .... | .... | .... | .... | .... | .... | .... | .... | .... | .... | .... | .... | .... | .... | .... | .... | .... |      |
| 1914-1915)                     |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |
| 22                             | 62   | 54   | 61   | 33   | 28   | 29   | 31   | 21   | 15   | 20   | 28   | 19   | 22   | 33   | 40   | 41   | 40   | 48   | 36   |      |      |
| ....                           | 82   | .... | .... | .... | .... | .... | .... | .... | .... | .... | .... | .... | .... | .... | .... | .... | .... | .... | .... | .... |      |
| <b>Graduate Students:</b>      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |
| (1890-1900)                    |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |
| 36                             | 315  | 535  | 755  | 980  | 1104 | 1026 | 985  | 1237 | 1112 | 1227 | 1455 | 1602 | 1958 | 2084 | 2005 | 2066 | 2190 | 2272 | 2441 |      |      |
| <b>Total Registration</b>      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |
| <b>Degrees Conferred:</b>      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |
| A.B.                           | 39   | 88   | 139  | 198  | 247  | 221  | 206  | 270  | 303  | 258  | 347  | 367  | 437  | 497  | 495  | 475  | 422  | 452  | 526  |      |      |
| B.S. (1909-1918)               | .... | 2    | 5    | .... | .... | .... | .... | .... | .... | .... | .... | .... | .... | .... | .... | .... | .... | .... | .... | .... |      |
| A.M. (1898-1900)               | 18   | .... | .... | .... | .... | .... | .... | .... | .... | .... | .... | .... | .... | .... | .... | .... | .... | .... | .... | .... |      |
| Ph.D. (1899-1900)              | 1    | .... | .... | .... | .... | .... | .... | .... | .... | .... | .... | .... | .... | .... | .... | .... | .... | .... | .... | .... |      |

Total Bachelor's Degrees conferred 1893-1979, A B. 20,063, B.S. 77.  
These figures represent registration in the Autumn Term plus students admitted to the Spring Term.



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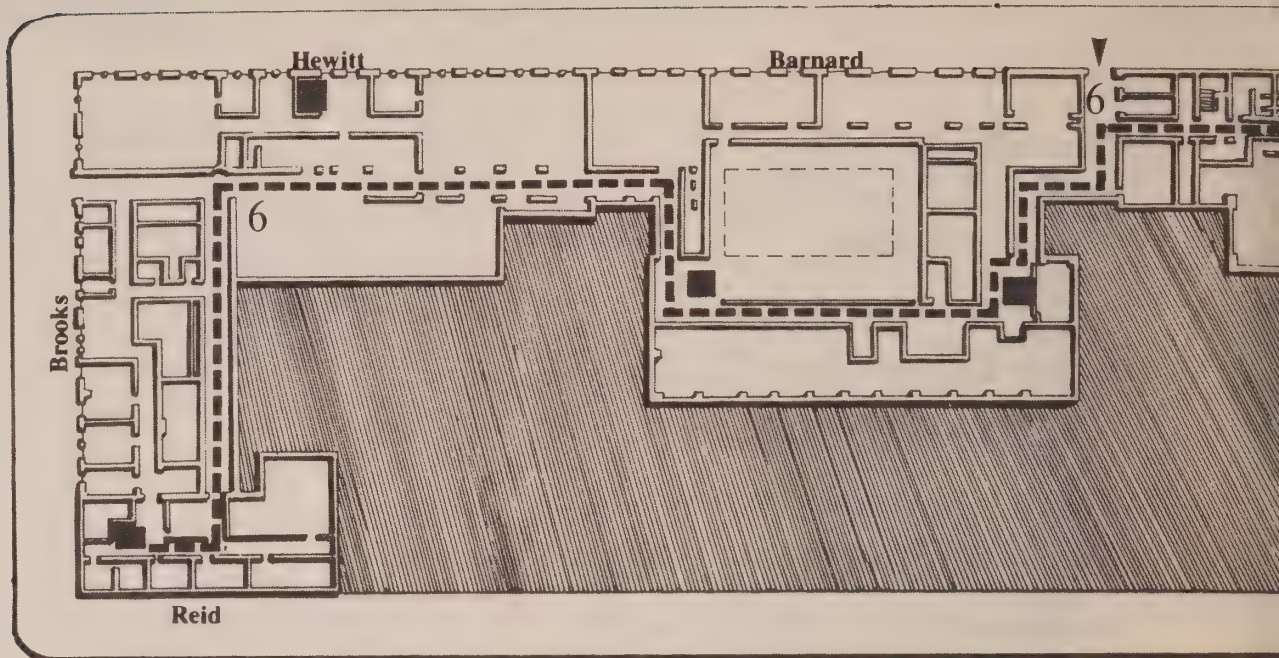
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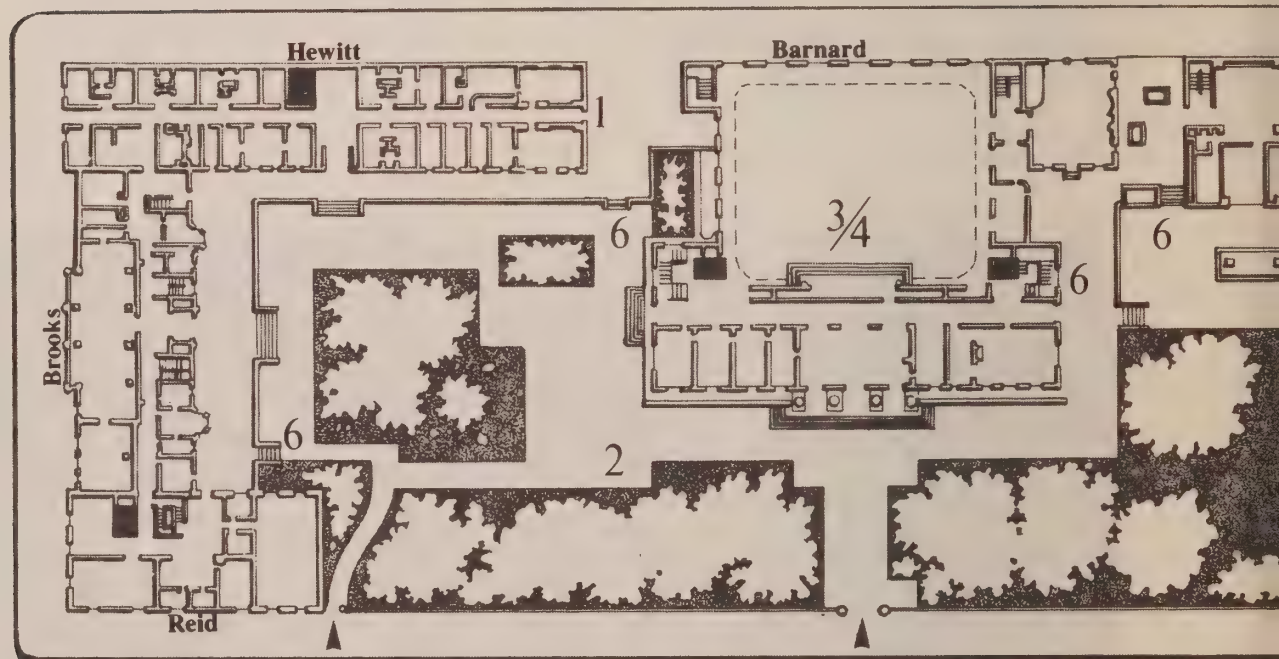


West 116th Street



Broadway

West 116th Street



Broadway

Brooks-Hewitt-Reid, one of the College residences, includes the Deanery,<sup>1</sup> once the home of Barnard's third Dean, Virginia Gildersleeve, and now used by faculty and students for meetings and receptions. A statue commemorating athletic games from 1903-1968<sup>2</sup> stands on the eastern edge of Altschul Court where the Commencement reception is now held each spring.

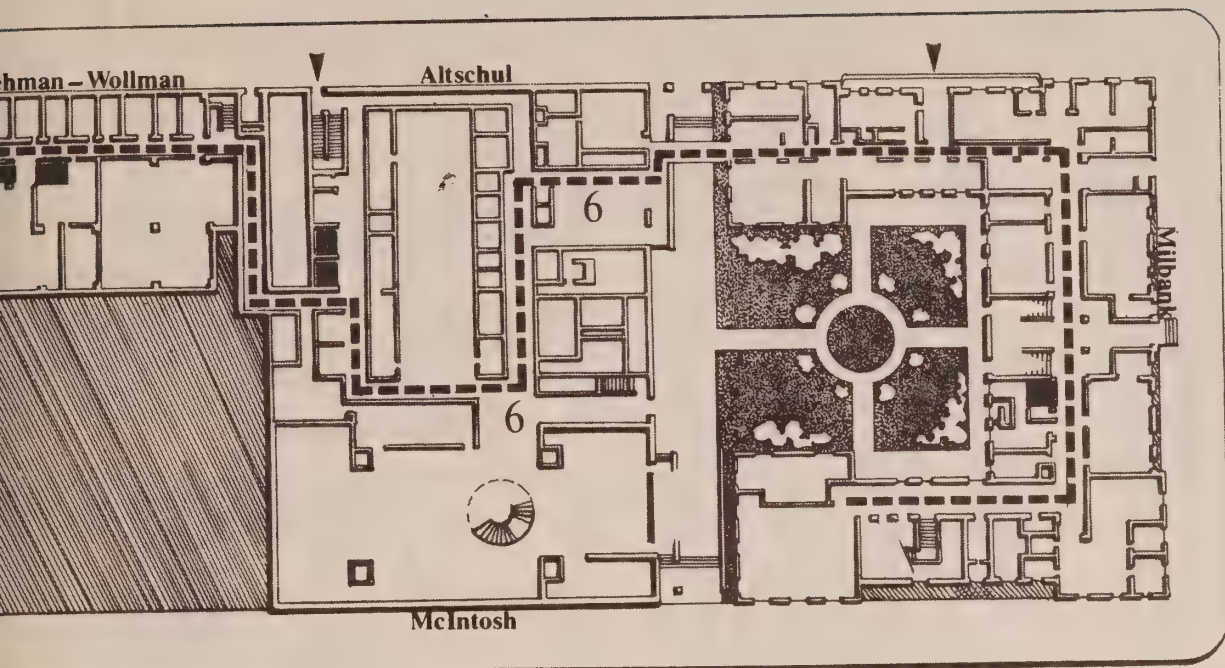
In addition to classrooms, gymnasium, and swimming pool, Barnard Hall houses the Women's Center,<sup>3</sup> Student Health Service, and Sulzberger Parlor.<sup>4</sup>

Adele Lehman Hall is a modern five-story building containing classrooms and Wollman Library.<sup>5</sup>

Access to campus buildings is facilitated for disabled students by a system of ramps<sup>6</sup> and underground tunnels. Consult the Assistant Dean for Disabled Students for complete information on tunnel routes and location of ramps.

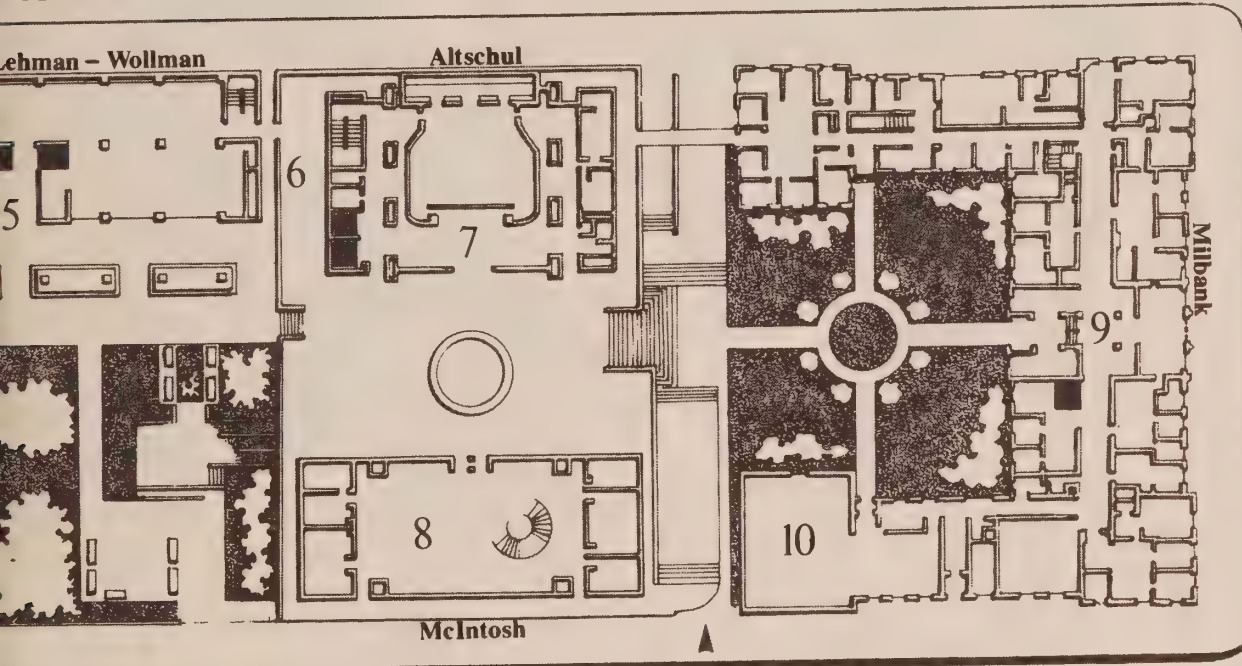


Avenue



West 120th Street

Avenue



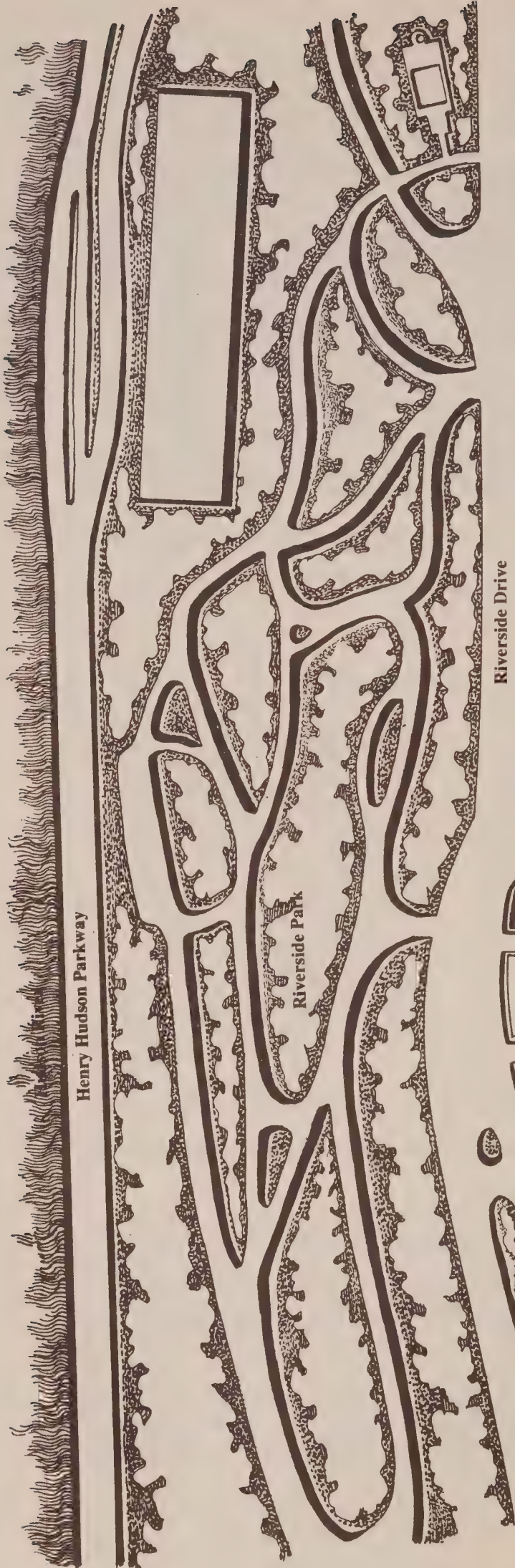
West 120th Street

Helen Goodhart Altschul Hall houses science laboratories and Herbert H. Lehman Auditorium.<sup>7</sup>

The Millicent McIntosh Center,<sup>8</sup> named for Barnard's fourth Dean and first president, is home for student government and organizations. A snack bar, student mailboxes, recreational facilities, and the office of nonresident advisers can be found here. The Jean Palmer Room is available for conferences.

Administrative offices, classrooms, piano practice rooms, and the language lab are located in Milbank Hall.<sup>9</sup> At the Minor Latham Playhouse,<sup>10</sup> students produce and direct plays throughout the academic year. On the roof of Milbank is the greenhouse, a place for a quiet moment during a busy day.





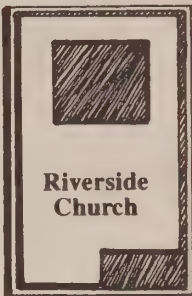
Henry Hudson Parkway

Riverside Park

Riverside Drive



International House



Riverside Church



Interchurch Center

West 119th Street



Manhattan School of Music

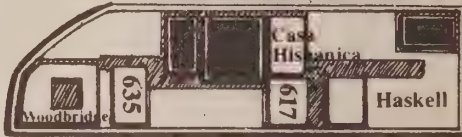


Hastings



Barnard College

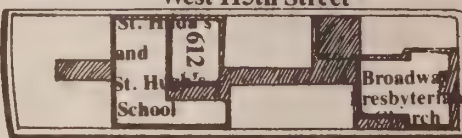
West 116th Street IRT #1



Case Histories

Haskell

West 115th Street



St. Hubert School

Broadway Presbyterian Church

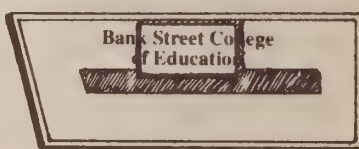


River

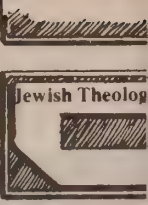
604 613



McVickar



Bank Street College of Education



Jewish Theological Seminary



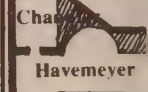
St. Ann's Church



Horace Mann School



Marcus Hartley Physical Fitness Center



Havemeyer



Earl B. Long



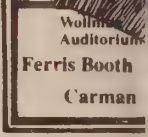
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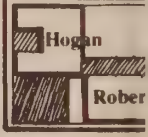
Visitor's Center



Journalism



Wollman Auditorium



Hogan



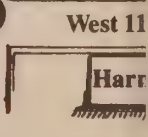
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Burgess

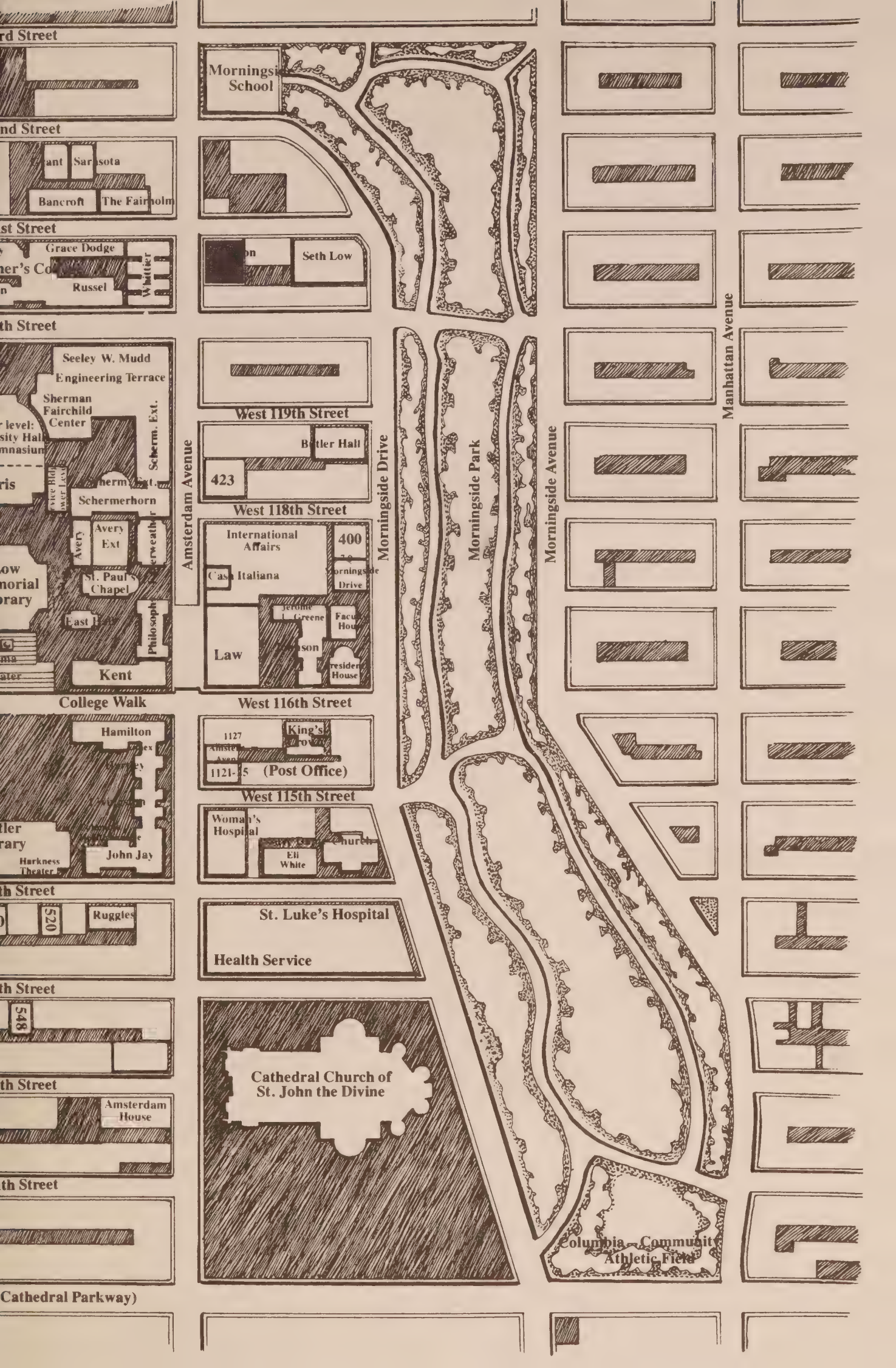


West 115th Street



Harrington





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College Walk

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th Street

th Street

th Street

Cathedral Parkway)

Morningside School

on Seth Low

West 119th Street

West 118th Street

West 116th Street

West 115th Street

St. Luke's Hospital

Health Service

Cathedral Church of St. John the Divine

Columbia Community Athletic Field

1127

1121-15 (Post Office)

King's

Woman's Hospital

Ell White

Church

Law

Jerome Greene

Case Italiana

International Affairs

400

Morningside Drive

Faculty House

Resident House

East

St. Paul's Chapel

Avery Ext

Avery

Schermerhorn

Schermerhorn

Philosophy

Kent

Hamilton

John Jay

Harkness Theater

520

Ruggles

548

Amsterdam House

Manhattan Avenue

Morningside Avenue

Morningside Drive

Morningside Park

Seeley W. Mudd Engineering Terrace

Sherman Fairchild Center

University Hall

Gymnasium

Grace Dodge

Whittier

Russell

Bancroft

The Fairholme

Plant

Sarasota

Grace Dodge

Whittier

Russell

Bancroft

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